FH-0702230

0074232

Meeting Minutes Transmittal/Approval
Unit Managers' Meeting
200 Area Groundwater and Source Operable Units
1200 Jadwin, Richland, Washington
September 20, 2007

APPROVAL: _____ Date: 10-17-07
Larry Romine, 200 Area Unit Manager, DOE/RL

APPROVAL: _____ Date: 10/17/07
Arlene Tortoso, 200 Area Assistant Manager, DOE/RL

APPROVAL: _____ Date: 10/22/07
Craig Cameron, 200 Area Unit Manager, EPA

APPROVAL: _____ Date: 10-23-07
John Price, 200 Area Unit Manager, Ecology

DISTRIBUTION
UNIT MANAGERS' MEETING,
200 AREA GROUNDWATER SOURCE OPERABLE UNITS
September 20, 2007

DOE/RL
(No hard copy distribution)

EPA

Craig Cameron	B1-46

Ecology

John Price	H0-57

FH

Janice Williams (original)	E6-35
Administrative Record (2)	H6-08
Correspondence Control	A3-01

Minutes of the 200 Area Unit Managers' Meeting of September 20, 2007 are attached. Minutes are comprised of the following:

Attachment 1	Agenda
Attachment 2	Attendance Record
Attachment 3	Agreements and Issues List
Attachment 4	Action Item List
Attachment 5	Operable Units and Facilities Status
Attachment 6	200-UP-1 Uranium
Attachment 7	200-UP-1 Technetium-99
Attachment 8	200-ZP-1 FY07 Pumping Rates
Attachment 9	2999-W15-6 Carbon Tetrachloride
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Attachment 12	Nitrate Field Data for Well 299-W15-44
Attachment 13	Nitrate Field Data for Well 299-W15-765
Attachment 14	Comparison of Maximum Carbon Tetrachloride Rebound concentrations Monitored at 200-PW-1 Soil Vapor Extraction Sites (FY2003 to FY2007
Attachment 15	O Well Location Well
Attachment 16	Proposed N Well Location Map
Attachment 17	TPA-CN-170 - Change Notice for Modifying Approved Documents/Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, Documentation and Records.
Attachment 18	TPA-CN-175 - Change Notice for Modifying Approved Documents/Workplans In Accordance

	with the Tri-Party Agreement Action Plan, Section 9.0, Documentation and Records.
Attachment 19	TPA-CN-176 - Change Notice for Modifying Approved Documents/Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, Documentation and Records.
Attachment 20	TPA-CN-184 - Change Notice for Modifying Approved Documents/Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, Documentation and Records.

Attachment 1
FH-0702230

200 AREA UNIT MANAGERS' MEETING
DRAFT AGENDA

1200 Jadwin/Rm 1-C-1
September 20, 2007
8:30 – 10:15 AM

GROUNDWATER AND SOURCE OPERABLE UNITS

- Status Review of OUs

200-UW-1, 200-CW-3 AND FACILITIES

- Status Review
- Outstanding Action Items/Issues

Attachment 2
FH-0702230

200 Area Unit Managers Status Meeting
September 20, 2007

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Shelley Cimon	ODOE		(541) 963-0853
Rob Piippo	FH		373-3285
Tony Knepp	FH		438-6452
Frank Roddy	DOE		372-0945
Jon Lindberg	FH	PO-1	376-4511
Jean Vanni	ECY		372-7930
Dale Black	FH		376-0740
Craig Cameron	EPA		376-8665
Laura Buelow	EPA		376-5466
G.D. Cummins	FH	PO-1	372-2484
Janice Williams	FH		3723553
Arlene Tortoso	DOE	200-Area GW	373-9631
Virginia Rohay	FH	200-PW-1	3733803
Mark Byrnes	FH	200-ZP-1	373-3996
Rick Ostrom	FH	ECO	2-2926
Tom Watson	FH	CP PM	376-5450
John Price	ECY	Proj Mgr	372-7921
Ron Brunke	FH	CS/CW-1	376-2663
Larry Romine	DOE	200A	376-4747
Jennie Sauer	FH		376-3762

200 Area Unit Managers Status Meeting
September 20, 2007

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Rod Lobos	EPA		376-3799
Stuart Luttrell	FH	GW Mon/RCRA	376-4531
Ann Sluatter	FH	FW-1/3/10 TW1	376-8756
Ted Regasky	CTUIR		541-966-2412
Greg Thomas	FH	200-BP-5	373-3907
Pam Ahlquist	FH	200-MG-1/ECO	373-7222
Phil Rogers	FH	PW-2/4 MW-1	376-5807
Jennifer Ollero	ECY	SW 2 200 Facilities	372-7988
Kay BARNES	FH	ECO	373-3931
Mark Benedict	FH	BC Cribs	376-0002
Greg Bergin	FH	200-SW-1/2	314-2389
W Woolery	RL	D&D-RL-40	372 2889
E.R Lloyd	FLG		3731541
Rick Engelman	FH	FH	6-7485
RD/FF Deforcade	DOE-RL	BP-5, PO-1 SW-1, 2, PW	373-9626

Issue Resolution Meeting
Agreements and Issues List
September 20, 2007
200 Area Unit Managers' Meeting

Agreement: TPA-CN-170 and TPA-CN-184 for 200-BP-5 Waste Control Plan (DOE/RL-2003-30 Rev. 2) have been approved by DOE and EPA.

Agreement: TPA-CN-175 Waste Control Plan for 200-CW-2, 4, and 5 and 200-SC-1 (WMP-24648, Rev. 0) for the B-55 and A-30 has been approved by DOE and EPA.

Agreement: TPA-CN-176 Waste control Plan for 200-BC-1 (SGW-34277) has been approved by DOE and EPA.

Agreement: It is agreed that for the UPR sites in 200N, using the proximity site provision of the Remaining Sites ROD is appropriate. No TPA change request is required to move the sites to another OU.

200 Area Unit Managers' Meeting

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
80	Send report from Remedial Action Decision Making panel.	FH-Miller	ECY/EPA Price/Goswami/ Cameron	10/18/06	11/16/06	10/20/07	Document has been completed but is undergoing management review. Minor editorial changes are needed - will be completed by October UMM.
99	Provide regulators with a task level schedule for FS preparation on 200-MG-1 and 200-MG-2.	FH-Ankrum	ECY/EPA Price/Cameron	7/18/07	7/25/07	9/20/07	Completed - a task level schedule was provided to the regulators by Pam Ankrum on 9/20/07.
100	Ecology will provide a letter on how the 200-PW-2/4 RI will be included in the FS. Ecology to meet with Tony Miskho and Phil Rogers on July 30 to discuss path forward on TSD closure plans.	Ecology-Price	RL-Tortoso	7/18/07	7/30/07	9/20/07	Completed-email from John Price on 9/11/07.
102	The issue of EPA approval of all SAPs (including those for which Ecology is the lead regulatory agency) is being elevated to the IAMIT Executive Committee. The results of the Executive Committee meeting on this issue should be reviewed by RL and reported to the Tri-Parties at the next UMM.	RL-Charboneau	All	8/16/07	9/20/07	10/18/07	
104	RL to send Ecology comments/resolution on the BP-5 Work Plan.	RL-Hildebrand	Ecology-Vanni	10/1/07			
105	RL to send Ecology comments/resolution on the Supplemental Characterization Work Plan	RL-Foley	Ecology-Price	10/1/2007		10/31/2007	

CERCLA 5-Year Review Action Items

Action #	Action/Subject	Assigned To	Due Date	Status
13-1	Complete a data quality objective process and sampling plan to further characterize the technetium-99 groundwater plume near T Tank Farm.	Fluor Hanford		Complete
14-1	Assess treatment options to address technetium-99 near T Tank Farm.	Fluor Hanford		Complete
15-1	Complete data quality objective process and sampling plan to further characterize the high soil conductivity measurements detected at B/C cribs and trenches.	Fluor Hanford	12/1/2007	
16-1	Increase the pump size in 200-ZP-1 extraction wells 299-W15-45 and 299-W15-47.	Fluor Hanford		Complete
17-1	Evaluate expanding the soil-vapor extraction operations. Also, specifically review converting former groundwater extraction well 299-W15-32 to a soil-vapor extraction well.	Fluor Hanford		Complete
18-1	Prepare an explanation of significant difference for 200-UP-1 Interim ROD	Ecology	6/1/2008	

Attachment 4

200 AREA UNIT MANAGERS' MEETING OPERABLE UNITS AND FACILITIES STATUS

September 20, 2007

200-UP-1, 200-CS-1, 200-CW-1 OU Group

200-UP-1

(M-15-17A, 11/30/10, Feasibility Study/Proposed Plan) Ecology

- The July sample results identified a Uranium concentration of 445 ug/L, however the Tc-99 value is elevated (13,000 pCi/L).
- All other values remain below the interim RAOs of 480 µg/L and 9,000 pCi/L respectively **(Attachments 6 and 7)**.
- No additional sampling data has been received.

- RI/FS Work Plan:
  - Six of 12 new 200-UP-1 wells (UP1, UP2, UP3, UP4, UP5, and UP11) required by the RI/FS Work Plan have been installed.
  - Drilling is scheduled to begin on the remaining six wells (UP-6, UP-7, UP-8, UP-9, UP-10, and UP-12) this week.
- Tc-99 Increase @ S-Farm
  - The Tc-99 levels in well W22-44 increased from 3,400 pCi/L to 6,440 pCi/L in the last sampling (March of 2007). The derived groundwater standard is 900 pCi/L.
  - No additional sampling data has been received.
- Pump and Treat
  - On 4/19/07, the pumps in wells W19-36 and W19-43 were restarted. Currently, the project is pumping approximately 12 gpm. These two wells address the higher uranium groundwater concentrations found in the area.
  - As of 8/15/07 ~ 2,500,000 gallons had been pumped to LERF Basin #43.
  - Treatment of the water is scheduled to start this month.

200-CS-1

Feasibility Study/Proposed Plan (Ecology)

- The Draft B of the feasibility study and proposed plan will be submitted to Ecology on September 28, 2007, consistent with the update plan in the RL August 31, 2006 letter to Ecology.
- Ecology is not planning on processing a ROD for the 200-CS-1 OU, consistent with a previous letter dated April 26, 2007.

Remediation Investigation Report (Ecology)

- Complete

200-CW-1

(M-015-38B, 5/31/09, Feasibility Study/Proposed Plan) Ecology

- **Model Group 5 SAP**
  Comment resolution meetings were completed on 8/29. RL is evaluating the cost of meeting Ecology's refined proposal for direct push number, locations, depth, and related soil samples for each pond, together with RL additional needs to support risk analysis and related remedy proposals. Delays in gaining approval of the SAP have delayed starting field activities.

200-ZP-1, 200-PW-1/3/6 OU Group

200-ZP-1

(M-15-48B, 9/30/07, Feasibility Study/Proposed Plan) EPA

- Remediation Treatment Status:
  - Between October 1, 2006 and August 26, 2007 the 200-ZP-1 pump-and-treat system average pumping rate was approximately 253 gpm **(Attachment 8)**.
  - All ten 200-ZP-1 extraction wells are currently on line pumping at approximately 265 gpm.
  - Trend data for carbon tetrachloride in well 299-W15-6 showed no significant changes from previous months **(Attachment 9)**.
  - The hookup of T Tank Farm wells (299-W11-45 and 299-W11-46) to the ETF transfer lines has been completed and is pumping water to ETF at a rate of approximately 30 gpm.
  - FH engineering staff visited a groundwater remediation operation at:
    - The DOE Piketon Ohio site to observe an onsite Granular Activated Carbon (GAC) steam regeneration plant that has been operating for 3 years now. Their primary Contaminant of Concern (COC) is Trichloroethylene (TCE).
    - A private site in Ferndale Michigan to observe a catalytic oxidation unit used to destroy TCE.
    - Both were very promising options to our current process of shipping GAC to Arizona for regeneration.
  - FH is still performing a more detailed evaluation of more promising GAC alternatives.

- RI/FS Status:
  - FS and PP Report:
    - Draft A reports are complete and have been delivered to RL.

- Tc-99 Investigation Status:
  - T Tank Farm Investigations:
    - Drilling reached total depth in the T-5 well (C5244, 299-W10-32, replaced by well C5855, 299-W10-33). Well is currently being

constructed.
- Purolite Resin Treatability Testing **(Attachments 10, 11, 12, and 13)**:
  - Neither of the 2 extraction wells has shown any signs of breakthrough yet.

200-PW-1, 200-PW-3, & 200-PW-6

(M-15-45B, 9/30/07, Feasibility Study/Proposed Plan) EPA

- The PW-1/3/6 FS and PP were transmitted to RL September 14, 2007. The FS and PP are on schedule for delivery to EPA on September 30, 2007.
- The PW-1/3/6 Remedial Investigation Report, Revision 0 is complete and will be delivered to RL the week of September 17, 2007. An advanced copy will be delivered to EPA on September 17, 2007.
- Soil Vapor Extraction System (SVE):
  - The SVE system is currently located at Z-1A. The average flow rate through July 29, 2007 was 300 cfm.
  - The passive system remains operational.
  - Monthly monitoring results for August 2007 are presented in **Attachment 14.**

200-CW-2/4/5 & 200-SC-1 OU Group

200-CW-2, CW-4, CW-5, & SC-1

(M-15-40D, 4/30/08, Feasibility Study/Proposed Plan) EPA

- TPA change packages for the 200-CW-5 and 200-SC-1 Operable Units were transmitted to RL for approval.
- TPA change TPA-CN-175 waste control plan (WMP-24648, Rev. 0) for the B-55 and A-30 was approved by DOE and EPA.

200-TW-1 & 200-PW-5 OU Group

200-TW-1 & 200-PW-5 (no activity)

(M-15-42D, 12/31/11, Feasibility Study/Proposed Plan for TW-1 & PW-5) EPA

200-TW-2 OU Group

200-TW-2 (no activity)

(M-15-42E, 12/31/11, Feasibility Study/Revised Recommended Remedy(ies) for TW-2) Ecology

200-PO-1, 200-PW-2/4, 200-MW-1 OU Group

200-PO-1

(M-13-10A, 9/30/07, RI/FS Work Plan) Ecology

- Work Plan
  FH transmitted the final release version of the Draft A document, DOE/RL-2007-31, to RL on 8/22/07. RL transmitted the draft document to Ecology on 8/31/07 in completion of M-013-10A milestone.

- SAP
  This SAP is included in the 200-PO-1 RI/FS Work Plan Draft A, Appendix A.

- DQO
  The DQO Summary Report (SGW-34011 Rev. 0) has been through technical editing and is in approval review.

200-PW-2 & 200-PW-4
(M-15-43D, 12/31/10, Feasibility Study and Revised Recommended Remedy(ies)) Ecology

- Several documents including an RI report, an FS report, and closure plans were provided to Ecology over a year ago and comments or approvals have not been received. Ecology recently indicated (email from John Price to Phil Rogers dated 9/11/07) that they will be preparing closure chapters for the Purex cribs during the next 1 ½ months and that they would like to meet with DOE and Fluor to discuss those chapters and the FH recommended closure actions. Ecology also suggested that revision of the 200-PW-2/4 RI and FS Reports might depend on the closure chapters and could be discussed at the meetings.

200-MW-1
(M-15-44B, 12/31/08, Feasibility Study/Proposed Plan) EPA

- Drilling the high-risk borehole in the 216-A-2 Crib has been completed. Groundwater was encountered at about 314.7 ft bgs, the borehole was geophysically logged, and an "opportunistic" groundwater sample was collected. The borehole is currently being decommissioned.
- Comments from EPA on the Draft B RI have been received and are being dispositioned.
- Borehole C5571, the direct push in 216-A-21 Crib has been completed, geophysically logged, and decommissioned.

<u>200-BP-5 & 200-LW-1/2 OU Group</u>

200-BP-5
(M-13-06B, 3/31/07, RI/FS Work Plan, Completed) EPA
(M-15-21A, 10/31/10, Feasibility Study/Proposed Plan) EPA

Work Plan Presentation:

- As a result of meeting with EPA on July 31, 2007 a Power Point presentation for wells A-E have been completed. The presentation provides rationale for the purpose and location of these wells.
- This presentation will be included to Rev 1 of the 200-BP-5 DQO. The revised DQO is expected to be revised by December 2007.

Drill two groundwater monitoring wells N and O.

- Drilling of the 299-E27-155 well (previously designated "O") is underway (Attachment 15).
- Drilling for the 699-52-554 well (previously designated "N") will follow the O well (Attachment 16).

Camera Survey of Well 299-E33-18

- Survey showed inside of the well to be clean. Thus, increased uranium detected by the recent well log is not due to internal well contamination.

Groundwater Monitoring:

- Recent review of data for the new confined aquifer well 299-E33-50 revealed a reporting error for this well. The previous report of contamination in this well was related to an investigation well. The actual results of this well were instead at background or none detect. Thus, no contamination was found at this well.
- Recommendations to place the 299-E33-340 well (previously designated "G") in the originally planned location were sent to EPA September 5, 2007.

200-LW-1/200-LW-2

(M-15-46B, 12/31/11, Feasibility Study/Recommended Remedy) Ecology

- No new items to report.

<u>200-UR-1, 200-MG-1/2 & ECO OU Group</u>

200-UR-1

- Radiological surveys for the eastern portion of the BC Control Area are planned to begin 10/1/07.
- West Lake DQO strawman is in final stages of development.
- Requirements for expedited cleanup of portions of the BC Control Area are being evaluated.

200-MG-1/200-MG-2 Model Group 1 Sites

(M-15-49A, 12/31/08, MG-1 Feasibility Study/Recommended Remedy) Ecology

(M-15-49B, 12/31/08, MG-2 Feasibility Study/Proposed Plan) EPA

- Strategy and communication approach for preparation of 200-MG-1/2 Feasibility Studies is in process. A meeting is planned for early October to discuss binning strategies and proposed FS outline with regulators.
- Development of Feasibility Studies for 200-MG-1/2 Waste Sites is in process.

- Reassignment select sites into 200-MG-1/2 will be accomplished via TPA Change Requests.
- A working schedule has been prepared to show the optimistic FS development through Draft A.

Ecological Risk Assessment

- Data validation and Data Quality Assessments (DQAs) for the ERA are nearly complete.
- FH review of the internal draft of the Environmental Risk Assessment report is in process.
- The Phase III data review meeting for the Ecological Risk Assessment was held on September 19th with external stakeholders, regulators, and Native American participants.

200-BC-1, 200-IS-1, 200-SW-1/2 OU Group

200-BC-1

(M-15-51, 4/30/10, Feasibility Study/Proposed Plan) EPA

- Updated DQO and SAP addressing electrical resistivity correlation have been prepared that address EPA comments on the Draft A documents. Anticipate submittal to EPA in 2-3 weeks.
- EPA approved SAP for Phase I of the excavation-based treatability test on 6/28/07. Installation of DPT holes and logging associated with Phase I of the excavation-based treatability test continued. Remaining Phase I field work is to collect soil samples and install/log 6-12 additional "step-off' holes to establish extent of lateral contamination spread.
- TPA Change Notice (TPA-CN-181) proposes revising the treatability test Phase I sampling strategy. Change will reduce number of samples but ensures collection of samples over entire range of interest, plus continue sampling if initial sampling does not provide sufficient correlation of logging data vs. sampling data. Current plan intentionally avoids sample collection from the most contaminated strata. Modified sample collection tooling provides much-improved worker protection from hazards associated with "hot" samples.
- Draft A of the Treatability Test Plan, including SAP, was transmitted to EPA 6/18/07. EPA is waiting for the update to the Test Plan, to reflect the changes in sampling, before they comment on the plan.

200-IS-1

(M-13-27, 6/30/07, RI/FS Work Plan) Ecology

- Ecology has requested an extension to October 25, 2007 for review of the WP and SAPs.

200-SW-1/2

(M-13-28, 9/30/07, RI/FS Work Plan) Ecology

- The 200-SW-1 and 200-SW-2 OU RI/FS Work Plan (Draft B) has been developed and is in the final review/signature process for delivery to Ecology by September 30, 2007.

Supplemental Characterization

- **Model Group 5 SAP** – Comment resolution meetings were completed on 8/29. Resolutions are being incorporated into the SAP. Delays in gaining approval of the SAP have delayed starting field activities.
- **Supplemental Work Plan** – RL and Ecology met on 9/13 to discuss Ecology's comments. Resolution on path forward was reached and the resolutions are being incorporated into a redline of the work plan. Delays in gaining approval of the work plan are having associated delays in starting field activities.

D&D OUs

200-CW-3 EPA

- The remediation completion report for site 261-N- 7 is in the review/approval cycle with RL and EPA.
- Site 216-N-7 has been backfilled and will be seeded in the fall.
- SAP and RAWP revisions have been initiated to include sites 216-N-1, 4, and 6 as well as the septic systems, solid waste site, and UPRs.

Rail Car Disposition Options Study

- The railroad car disposition options study has been started.

Ecology Sites UPR 200-N-1 and UPR 200-N-2 (in Proximity to 200-CW-3)

- Met with team members to initiate development of the TPA change request to move the two UPR sites into the 200-CW-3 Operable Unit.

EE/CA for Buildings 212-N, P, R

- The development of the EE/CA will begin in September.

200-UW-1 Ecology

- ROD - Tri-Party workshops were completed on 6/15/07. The ROD is currently undergoing final technical review before being sent for legal review. Based on DOE direction to them, FH is currently splitting the draft ROD into two RODs. The first ROD will document the remedy for the 4 cribs, which is targeted to be approved in January; this will allow construction of the barrier for 216-U-8 to begin in FY2008 as well as additional deep vadose zone characterization. The second ROD will document the selected remedy for the remaining 28 MNA and RTD sites; this ROD will incorporate the RAGS values agreed to by the Tri-Parties.

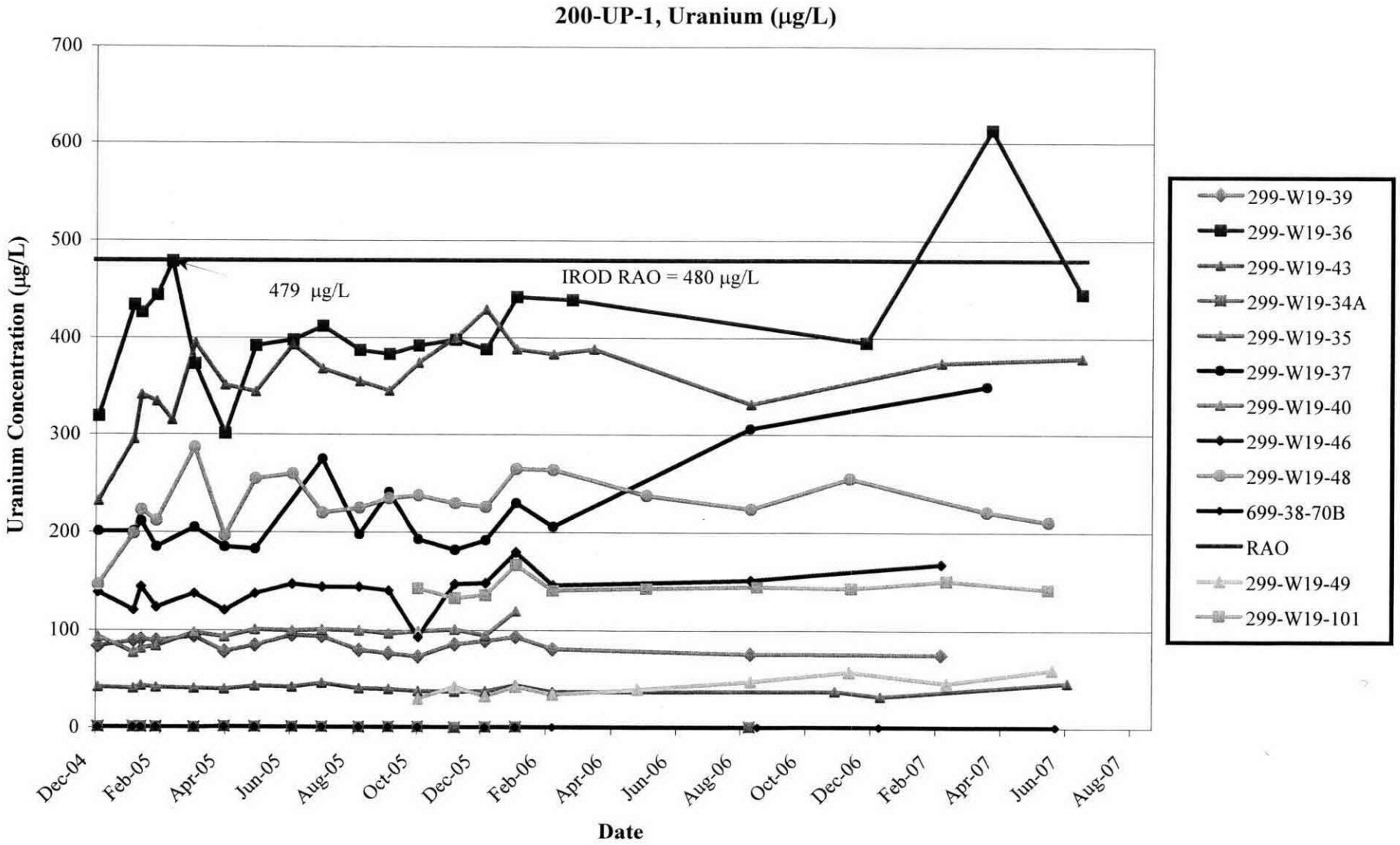
- DOE continued working on remedial action goals (RAG) for 200-UW-1. FH is transmitting the technical basis documents to RL this week. The documents are expected to be transmitted to the EPA and Ecology next week describing how the approach being proposed satisfies the applicable or relevant and appropriate requirements of WAC 173-340-747(8), and other State and Federal regulations and guidance.
- A cultural review of the Area C borrow source has been challenged by Yakama Tribes and Washington State Department of Archaeology & Historic Preservation (DAHP). DOE-RL has transmitted letters to the DAHP and Tribes. The Memorandum of Agreement (MOA) has been revised based on the August 16, 2007 meeting. A meeting is scheduled for 9/18/07 to discuss the revised MOA.
- Phase II of the 241-U-361 Settling Tank sludge sampling has begun. Delays due to equipment failures have caused the completion of sampling to slip to the end of September.

FACILITIES STATUS

- Distributed the PUREX DQO Summary Report for formal FH internal review. Comments have been incorporated and document is being finalized for issue by September 26.
- Distributed the RD/RAWP for formal FH internal review. Comments have been incorporated and document is being approved for transmittal to RL by September 19.

Facility Binning

- Awaiting agency response to RL draft Tri-Party Agreement agreement-in-principle for Central Plateau facility disposition, which was transmitted to EPA and Ecology on June 18, 2007. EPA sent a letter on July 19 informing DOE that EPA was taking a 30-day extension. August 18, EPA notified DOE that it was taking an additional 90-day extension to last until November 18.


200-UP-1, Uranium (µg/L)
Uranium Concentration (µg/L)
700
600
500
400
300
200
100
0
479 µg/L
IROD RAO = 480 µg/L
Dec-04
Feb-05
Apr-05
Jun-05
Aug-05
Oct-05
Dec-05
Feb-06
Apr-06
Jun-06
Aug-06
Oct-06
Dec-06
Feb-07
Apr-07
Jun-07
Aug-07
Date
299-W19-39
299-W19-36
299-W19-43
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299-W19-40
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RAO
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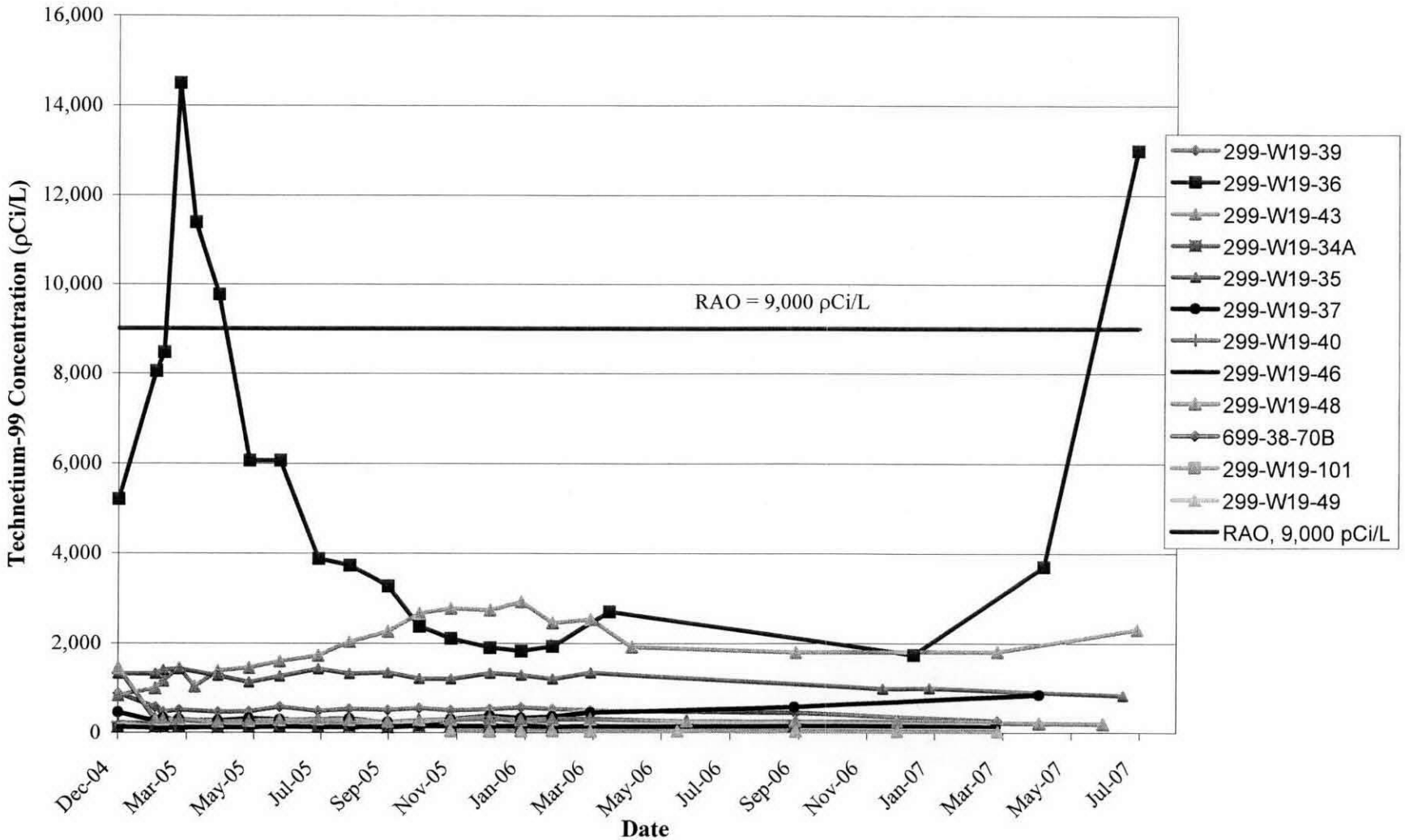
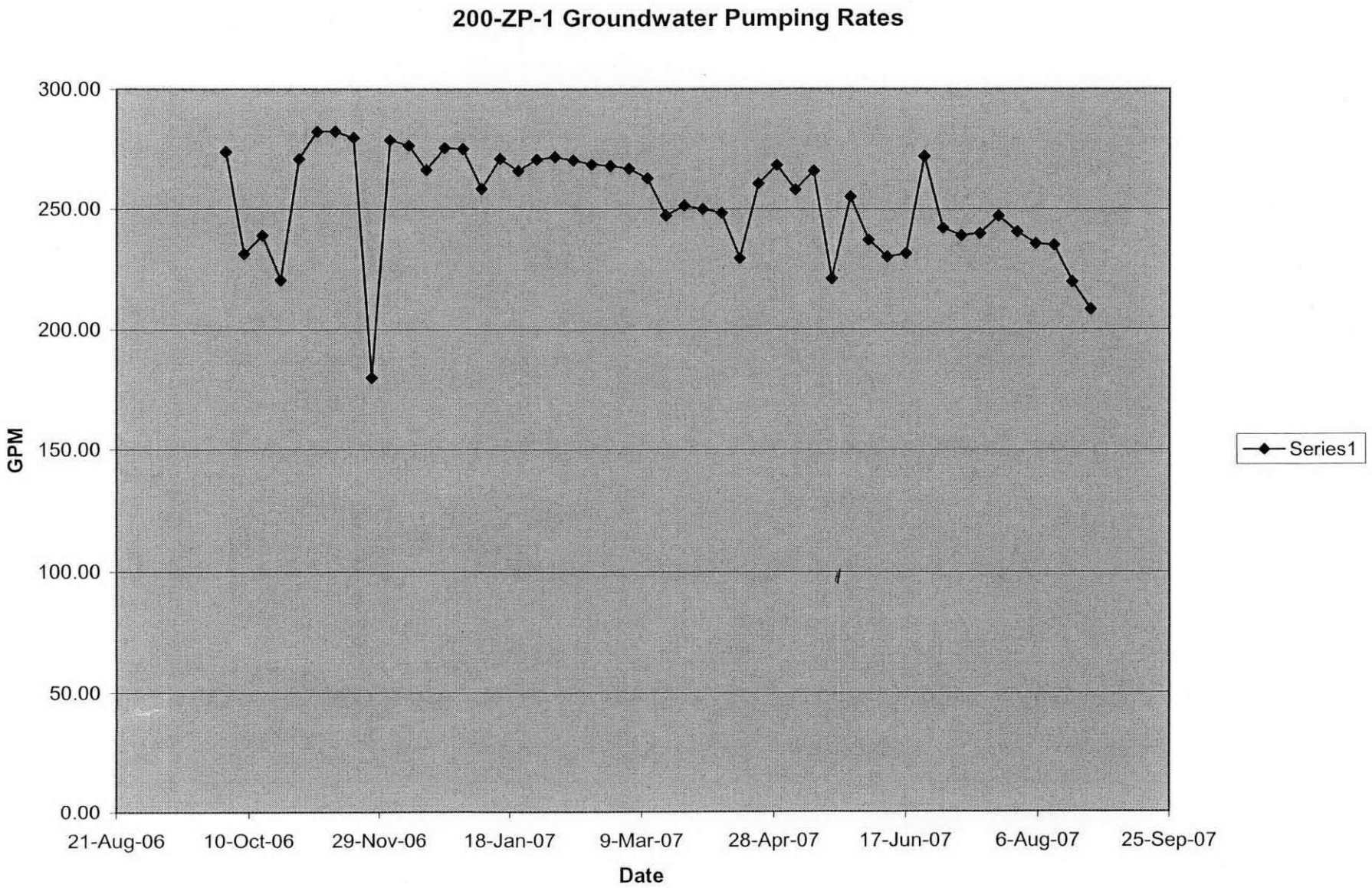
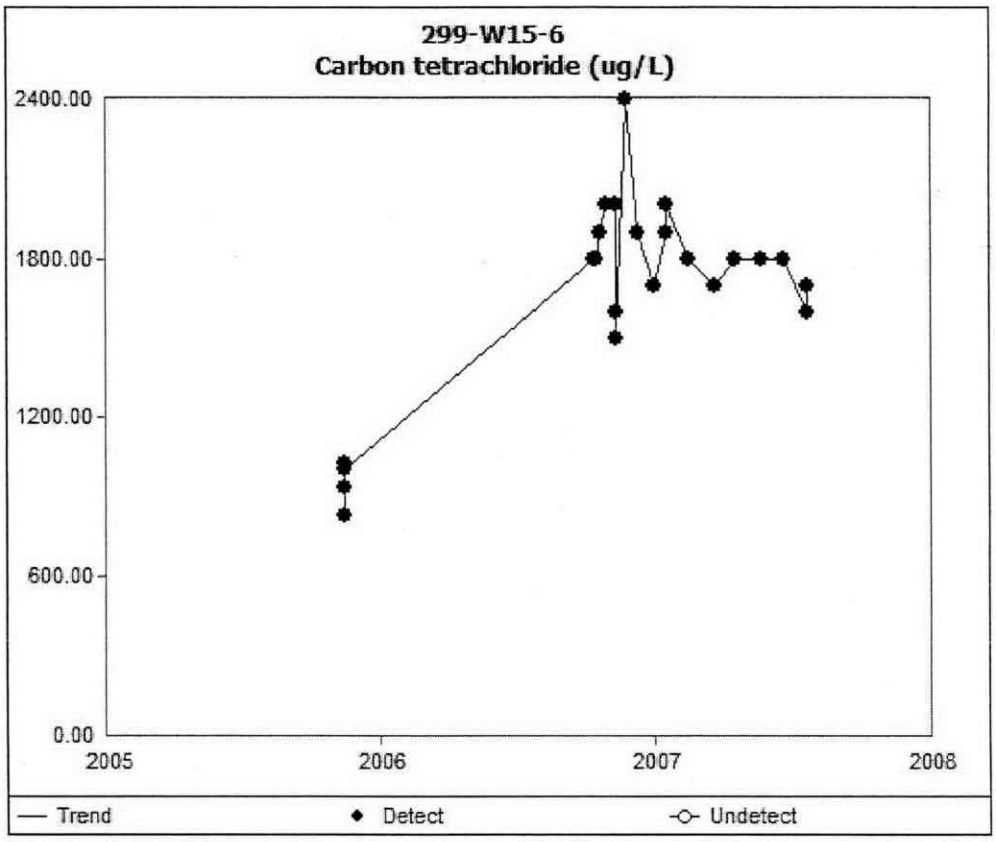
200-UP-1, Technetium-99 (ρCi/L)



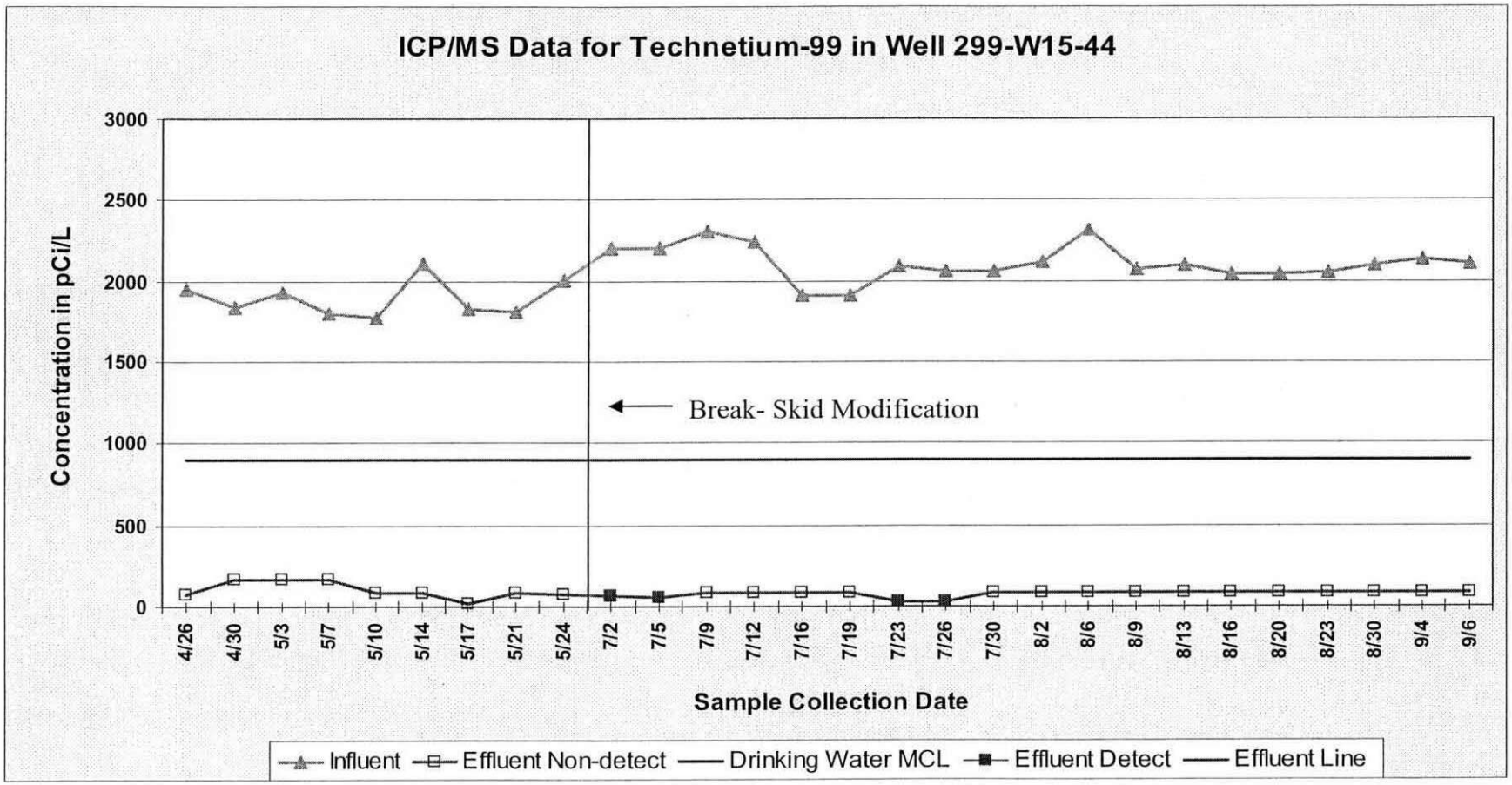


Attachment 8

Attachment 9

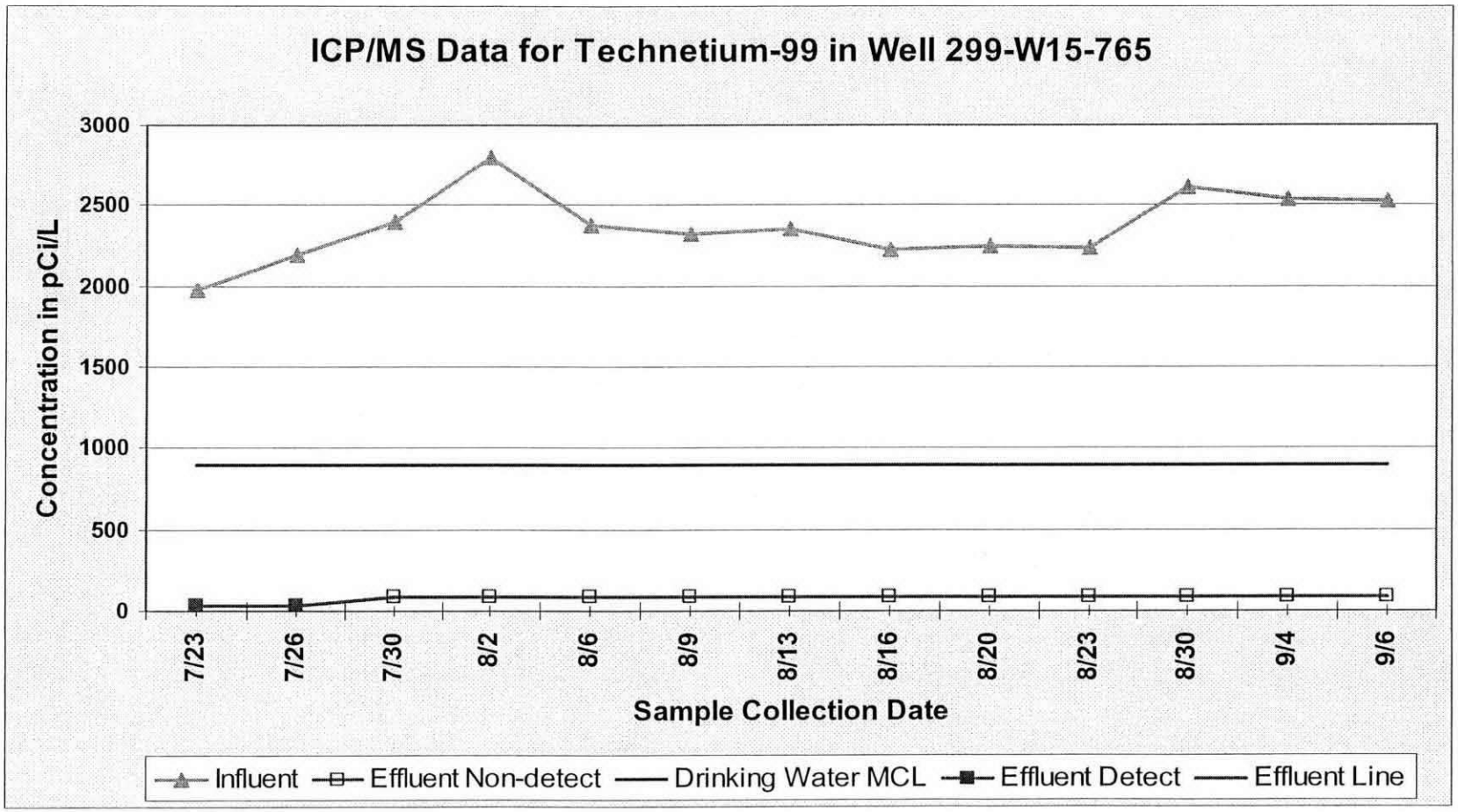


ICP/MS Data for Extraction Well 299-W15-44



Attachment 10

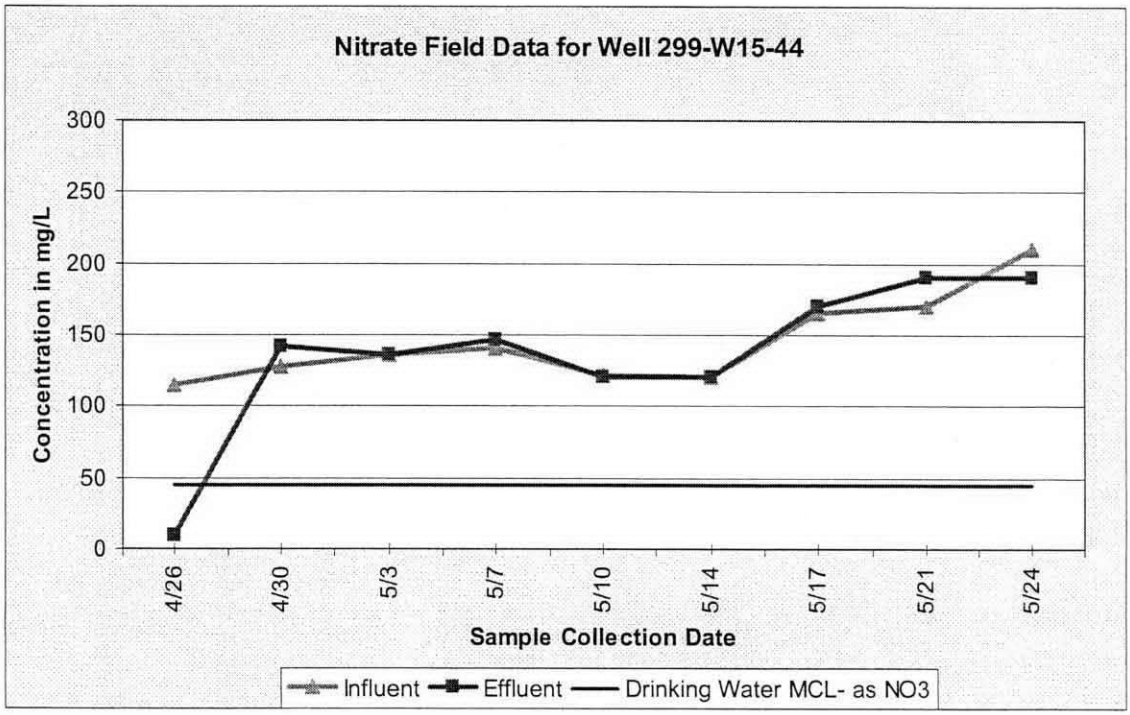
ICP/MS Data for Extraction Well 299-W15-765



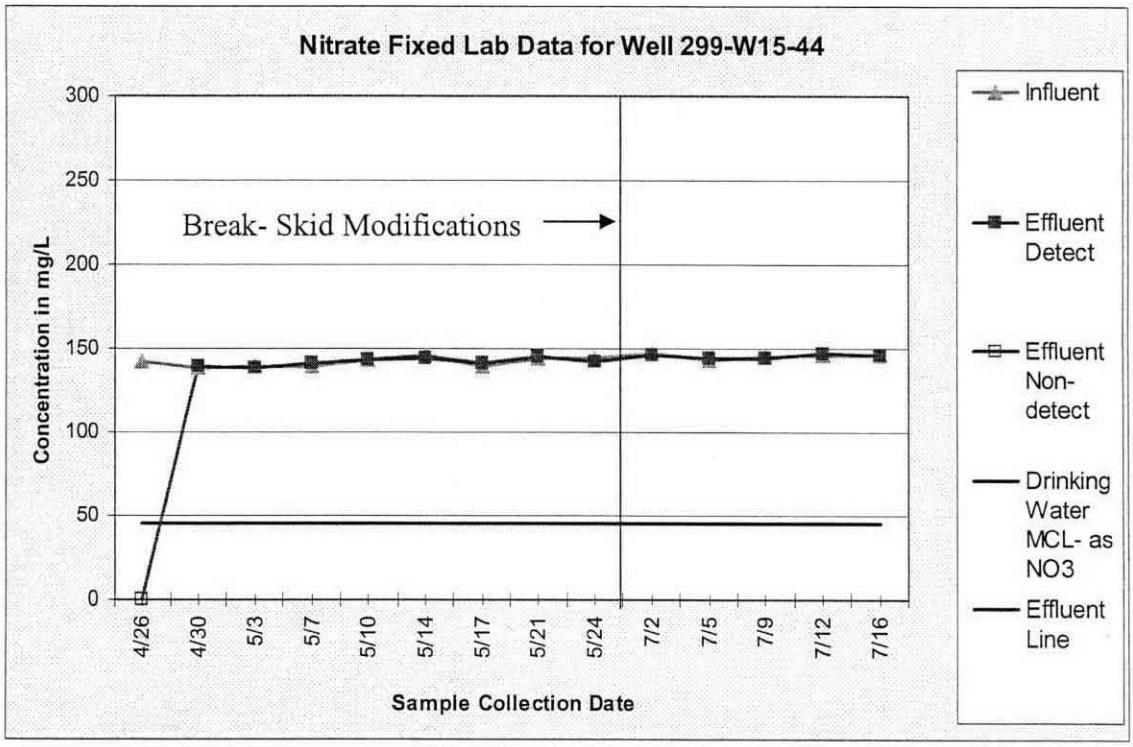
Attachment 11

Attachment 12

Nitrate Field Data for Well 299-W15-44

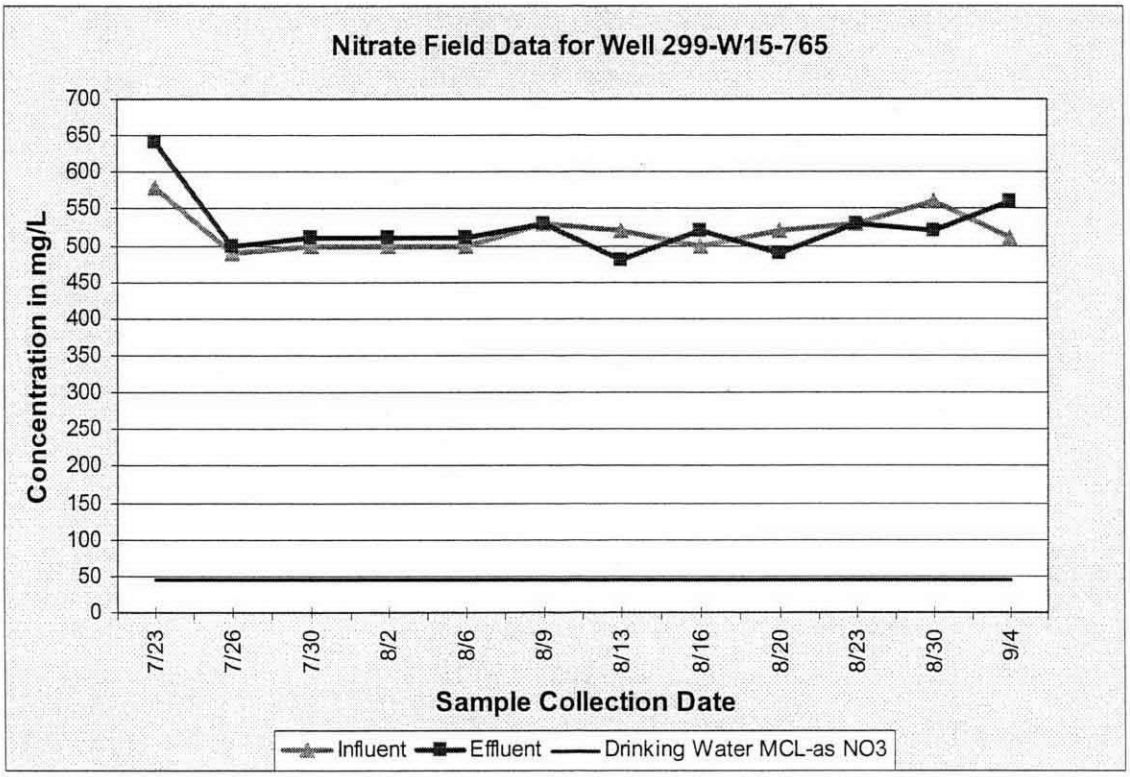


Nitrate Fixed Lab Data for Well 299-W15-44

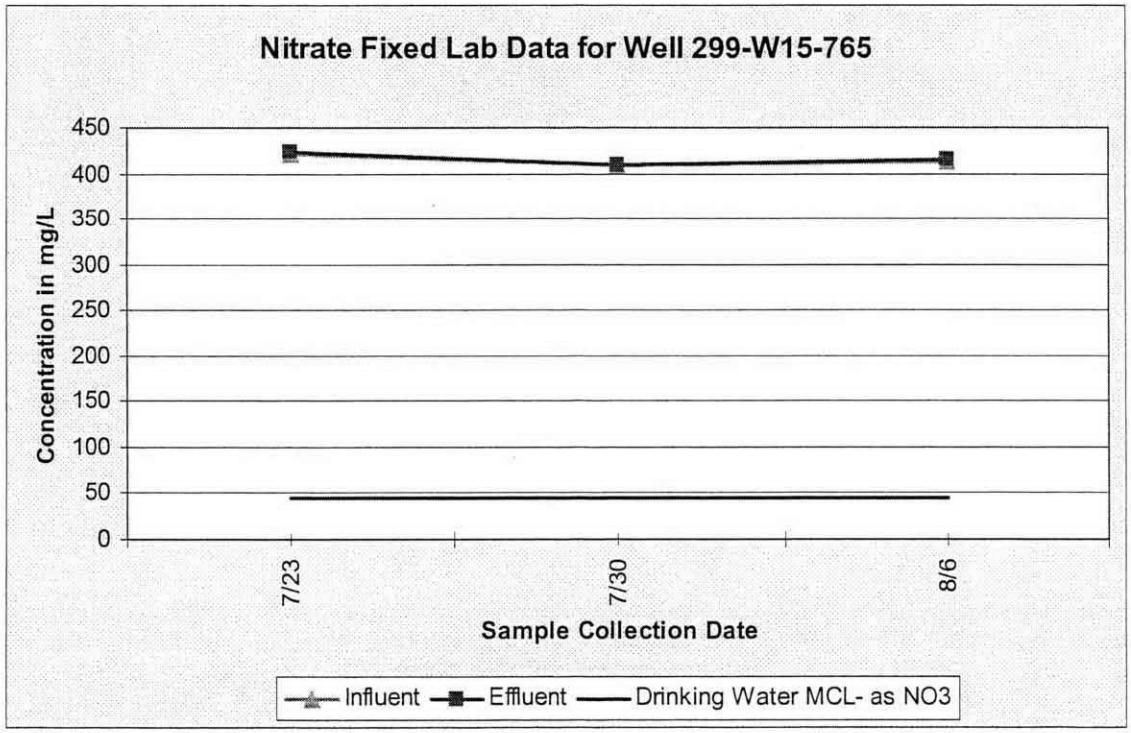


Attachment 13

Nitrate Field Data for Well 299-W15-765



Nitrate Fixed Lab Data for Well 299-W15-765



Comparison of Maximum Carbon Tetrachloride Rebound Concentrations
Monitored at 200-PW-1 Soil Vapor Extraction Sites
FY 2003 - FY 2007

200-PW-1		July 2002 (Z-9) or October 2003 (Z-1A) -		July 2002 (Z-9) or April 2004 (Z-1A) -		October 2004 -		July 2005 -		July 2006 -	
		March 2004		September 2004		June 2005		June 2006		August 2007	
Location	Site	Maximum Rebound	months*	Maximum Rebound	months*	Maximum Rebound	months*	Maximum Rebound	months*	Maximum Rebound	months*
(Well or Probe)		Carbon Tetrachloride	of	Carbon Tetrachloride	of	Carbon Tetrachloride	of	Carbon Tetrachloride	of	Carbon Tetrachloride	of
/feet bgs		(ppmv)	rebound	(ppmv)	rebound	(ppmv)	rebound	(ppmv)	rebound	(ppmv)	rebound
CPT-17/ 10 ft	Z-9	9.0	21	9.9	27	11.4	5	2.5	12	1.6	9
CPT-18/ 15 ft	Z-9	2.4	21	2.5	27	3.1	5	0	12		
CPT-4A/ 25 ft	Z-1A										
CPT-27/ 15 ft	Z-9									0	9
CPT-4E/ 25 ft	Z-1A			2.4	0	2.4	9	2.4	0	3.3	11
CPT-16/ 25 ft	Z-9	2.6	21	3.6	27	4.4	5	1.6	12	1.0	9
CPT-31/ 25 ft	Z-12										
CPT-32/ 25 ft	Z-1A	5.9	6			8.6	9	6.4	6	8.0	11
CPT-30/ 28 ft	Z-18	0	6			1.6	9	1.2	6	0	11
CPT-13A/ 30 ft	Z-1A	1.8	6	1.9	0	8.3	9	4.1	0	5.8	11
CPT-7A/ 32 ft	Z-1A	9.5	6	1.9	0	4.4	9	3.8	0	3.9	11
CPT-27/ 33 ft	Z-9	2.7	21	2.7	27	8.4	5	1.8	12		
CPT-1A/ 35 ft	Z-12	18.3	6	18.0	0	14.0	9	17.2	0	10.0	11
CPT-18/ 35 ft	Z-9									0	9
CPT-28/ 40 ft	Z-9					5.4	0			59.3	11
CPT-33/ 40 ft	Z-18					3.9	9			1.8	11
CPT-34/ 40 ft	Z-18			1.8	0	3.0	9	2.0	0	2.8	11
CPT-21A/ 45 ft	Z-9					7.9	0				
CPT-30/ 48 ft	Z-18									4.2	9
W15-220ST/ 52 ft	Z-9										
CPT-9A/ 60 ft	Z-9	35.9	21	35.9	27	32.4	5	29.2	12	22.0	13
CPT-28/ 60 ft	Z-9					68.3	0				
CPT-C3872 / 63 ft	Z-1A					15.5	9	9.9	6	17.2	11
CPT-16/ 65 ft	Z-9			4.2	27	6.7	5	5.6	0		
CPT-21A/ 65 ft	Z-9	150	21	150	27	170	0	167	12	193	13
CPT-1A/ 68 ft	Z-12					13.7	9			6.4	11
CPT-30/ 68 ft	Z-18										
CPT-13A/ 70 ft	Z-1A										
CPT-24/ 70 ft	Z-9			9.1	27			5.2	12		
CPT-32/ 70 ft	Z-1A					5.5	9			6.4	11
W15-219SST/ 70 ft	Z-9			5.7	22						
CPT-4A/ 75 ft	Z-1A										
CPT-18/ 75 ft	Z-9			8.3	27			4.3	12		
CPT-31/ 75 ft	Z-12										
CPT-33/ 80 ft	Z-18										
W15-82/ 83 ft	Z-9	85.8	21	85.8	27	95.8	5	8.1	12	3.9	9
CPT-21A/ 86 ft	Z-9	244	21	244	27	209	5	223	12	230	13
CPT-34/ 86 ft	Z-18										
W15-95U/ 86 ft	Z-9										
W15-218SST/ 86 ft	Z-9										
CPT-28/ 87 ft	Z-9	258	21	258	27	246	5	245	12	262	13
CPT-4B/ 90 ft	Z-1A										
CPT-1A/ 91 ft	Z-12										
CPT-4A/ 91 ft	Z-1A										
CPT-9A/ 91 ft	Z-9										
W15-85/ 91 ft	Z-9										
W18-252SST/ 100	Z-1A										
W18-152/ 101 ft	Z-12	12.4	6			16.0	9	16.2	6	16.3	11
W15-8U/ 103 ft	Z-9							10.4	12	14.1	9
CPT-4E/ 103 ft	Z-1A										
W18-167/ 106 ft	Z-1A	266	6			196	9	174	6	3.0	11
CPT-4F/ 109 ft	Z-1A					11.9	9			5.2	11
W18-165/ 109 ft	Z-1A	205	6			35.2	9	394	6	3.2	11
W15-217/ 114 ft	Z-9	458	21	467	27	374	5	19.7	12	16.5	9
CPT-24/ 118 ft	Z-9			15.3	27			23.9	12		
W15-220SST/ 118	Z-9			26.0	27			25.2	12		
W18-158L/ 120 ft	Z-1A										
W15-219SST/ 130	Z-9			0	22						
W18-249/ 130 ft	Z-18	41.0	6			64.9	9	24.1	6	19.7	11
W18-248/ 131 ft	Z-1A	180	6			249	9	67.0	6	131	11
W15-95L/ 144 ft	Z-9	40.3	21	40.3	27	26.7	5	25.7	12	18.0	9
W15-219SST/ 155	Z-9			9.5	22						
W15-220L/ 163 ft	Z-9			7.5	27			13.2	12		
W18-247L/ 167 ft	Z-18					9.3	passive	7.8	passive	10.0	passive
W18-246L/ 170 ft	Z-1A					22.0	passive	25.3	passive	14.7	passive
W15-219L/ 175 ft	Z-9			23.0	27			12.2	12		
W18-252L/ 175 ft	Z-1A					18.0	passive	16.9	passive	12.2	passive
W15-9L/ 176 ft	Z-9	13.1	21	13.1	27	2.1	5	5.4	12	7.9	9
W15-84L/ 180 ft	Z-9	25.9	21	25.9	27	23.0	5	14.0	12		
W15-6L/ 182 ft	Z-9										
W18-10L/ 183 ft	Z-18					12.2	passive	14.1	passive	13.8	passive
W15-220SST/ 185	Z-9										
W18-7/ 197 ft	Z-1A					24.6	passive	33.8	passive	39.3	passive
W18-12/ 198 ft	Z-18					9.9	passive	9.4	passive	4.8	passive
W18-11L/ 199 ft	Z-18					7.3	passive	9.0	passive	8.4	passive
W18-6L/ 208 ft	Z-1A					23.2	passive	24.4	passive	15.8	passive
W15-48/ 217 ft	Z-9							4.7	12	5.7	9

* - based on location (Z-1A/18/12 or Z-9) of monitoring point; specific points may be beyond SVE zone of influence during particular operating configurations

- Z-18 and Z-12 wells off-line Oct 96 - Apr 98

- CPT-1A, CPT-9A, and possibly CPT-7A appeared to be beyond SVE zone of influence in Oct 96 based on differential pressure (BHI-01105, p. 6-1)

- CPT-9A, CPT-21A, CPT-28 beyond SVE zone of influence in May 96 based on CCl4 concentrations and airflow modeling based on measured vacuums (BHI-01105, p. 6-1)

Carbon Tetrachloride Rebound Concentrations
Monitored at 200-PW-1 Soil Vapor Extraction Sites
July 2006 - August 2007

200-PW-1		07/26/2006	08/30/2006	09/26/2006	10/25/2006	11/30/2006	12/19/2006	01/31/2007	02/27/2007	03/21/2007	04/18/2007	05/29/2007	06/27/2007	07/25/2007	08/30/2007
Location	Site														
(Well or Probe)		CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4
/feet bgs		(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)
CPT-17/ 10 ft	Z-9				1.2	1.2	1.2	1.4	1.6	1.5					1.3
CPT-18/ 15 ft	Z-9														0
CPT-27/ 15 ft	Z-9				0	0	0	0	0	0					
CPT-4E/ 25 ft	Z-1A	0	0	0							3.2	3.3	1.8	1.5	2.0
CPT-16/ 25 ft	Z-9				0	1.0	0	0	1.0	0					0
CPT-32/ 25 ft	Z-1A	0	0	0	0	1.2	2.1	3.4	6.0	5.7	8.0	7.6	7.1	5.3	
CPT-30/ 28 ft	Z-1A	0	0	0							0	0	0	0	
CPT-13A/ 30 ft	Z-1A	2.4	2.5	2.4	3.3	2.9	5.8	1.6	5.0	2.2	1.8	3.7	2.4	2.1	3.2
CPT-7A/ 32 ft	Z-1A	2.0	1.9	1.2	1.9	2.5	2.6	3.2	3.4	3.8	3.9	2.7	2.7	2.5	2.2
CPT-27/ 33 ft	Z-9														1.0
CPT-1A/ 35 ft	Z-12	11.0	13.4	10.2	10.0	4.6	5.1	4.4	7.3	2.8	4.2	1.2	6.6	7.2	10.0
CPT-18/ 35 ft	Z-9				0	0	0	0	0	0					
CPT-28/ 40 ft	Z-9	5.5	4.3	4.8							8.6	59.3	4.9	5.5	
CPT-33/ 40 ft	Z-18	0	1.3	1.6							1.5	1.8	1.4	1.3	
CPT-34/ 40 ft	Z-18	0	1.3	1.3							1.2	1.4	1.1	1.1	2.8
CPT-21A/ 45 ft	Z-9														
CPT-30/ 48 ft	Z-9				0	4.2	3.1	2.9	1.5	1.1					
CPT-9A/ 50 ft	Z-9	32.8	40.7	43.3	30.6	42.6	42.0	43.7	39.5	27.4	39.7	39.1	43.6	37.5	45.6
CPT-9A/ 60 ft	Z-9	12.8	9.8	15.7	14.2	16.2	13.1	13.2	7.2	10.7	12.9	12.1	12.1	22.0	14.5
CPT-28/ 60 ft	Z-9														
CPT-C3872 / 63 ft	Z-1A	2.1	2.2	2.4	3.5	5.5	6.1	7.8	12.2	10.1	11.5	15.2	16.8	17.2	
CPT-9A/ 64 ft	Z-9	33.8	33.8	33.9	28.1	32.3	28.9	16.7	29.9	26.1	23.4	31.4	32.4	30.4	33.1
C4937/ 64.1 ft	Z-9														191
C4938/ 64.0 ft	Z-9														78.2
C5340/ 64.5 ft	Z-9														48.4
CPT-16/ 65 ft	Z-9														6.2
CPT-21A/ 65 ft	Z-9	153	132	137	123	120	123	127	138	101	119	105	193	112	160
CPT-1A/ 68 ft	Z-12	13.2	12.5	5.6							6.2	0	0	6.4	
CPT-24/ 70 ft	Z-9														2.5
CPT-32/ 70 ft	Z-1A	4.2	4.3	3.5							5.2	6.0	6.4	6.3	
W15-219SST/ 70 ft	Z-9														
CPT-18/ 75 ft	Z-9														0
W15-82/ 83 ft	Z-9				0	0	0	2.3	3.9	0					0
CPT-21A/ 86 ft	Z-9	179	171	194	159	169	164	189	170	119	161	125	207	183	230
CPT-28/ 87 ft	Z-9	180	185	216	181	202	196	0	209	119	182	147	262	162	243
W18-152/ 101 ft	Z-12	10.8	12.5	13.3	13.0	14.4	13.8	15.1	16.3	13.1	13.8	12.6	13.7	11.8	
W15-8U/ 103 ft	Z-9				2.4	6.1	1.2	4.6	14.1	1.7					0
W18-167/ 106 ft	Z-1A	0	0	0	0	0	0	3.0	1.1	0	0	0	3.0	0	
CPT-4F/ 109 ft	Z-1A	1.2	2.9	0							4.1	5.2	0	0	
W18-165/ 109 ft	Z-1A	---(q)	0	0	0	0	0	2.5	2.2	0	0	0	3.2	0	
W15-217/ 114 ft	Z-9				0	0	0	7.0	16.5	0					4.8
CPT-24/ 118 ft	Z-9														19.9
W15-220SST/ 118 ft	Z-9														21.0
W18-249/ 130 ft	Z-18	4.6	19.4	18.1	16.8	18.4	8.8	19.7	16.1	16.0	15.0	15.4	18.1	14.9	
W15-219SST/ 130 ft	Z-9														
W18-248/ 131 ft	Z-1A	---(m)	27.2	43.0	42.1	45.3	30.7	52.7	131	4.7	70.0	34.4	65.9	60.9	
W15-95L/ 144 ft	Z-9				10.0	16.2	15.3	16.9	18.0	0					12.3
W15-219SST/ 155 ft	Z-9														
W15-220L/ 163 ft	Z-9														8.5
W15-219L/ 175 ft	Z-9														15.7
W15-9L/ 176 ft	Z-9				4.7	2.3	2.2	3.5	7.9	4.7					6.7
W15-84L/ 180 ft	Z-9														11.0
W15-46/ 217 ft	Z-9				0	0	0	4.0	5.7	0					3.1
		(m) Unable to sample; well in use by Vista Engineering													
		(q) Unable to sample; well in use for geophysical logging													

Attachment 14, Figure 2

Carbon Tetrachloride Concentrations
Monitored at 200-PW-1 Passive Soil Vapor Extraction Wells
July 2006 - August 2007

200-PW-1														
	7/26/2006	8/29/2006	9/26/2006	10/26/2006	11/28/2006	12/20/2006	1/30/2007	2/28/2007	3/21/2007	4/16/2007	5/30/2007	6/27/2007	7/25/2007	8/28/2007
Location														
(Well or Probe)	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4	CCl4
/feet bgs	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)
W18-6L/ 208 ft	---(b)	---(b)	15.8	3.7	1.4	0	4.8	4.9	8.1	8.5	11.3	12.3	8.2	5.5
W18-7/ 197 ft	11.0	15.3	0	5.6	6.0	2.1	7.8	14.1	11.8	21.1	39.3	18.4	16.3	9.4
W18-10L/ 183 ft	10.0	12.7	11.7	0	0	2.0	12.6	7.0	13.8	1.0	5.7	10.4	5.1	7.6
W18-11L/ 199 ft	3.0	8.4	1.3	0	0	0	4.5	3.4	3.2	0	3.3	4.3	2.0	0
W18-12/ 198 ft	0	4.8	0	0	0	0	1.3	0	0	0	0	1.4	0	0
W18-246L/ 170 ft	---(b)	---(b)	3.7	1.7	0	0	2.2	5.3	4.1	9.6	14.7	4.6	8.5	9.0
W18-247L/ 167 ft	0	5.7	1.0	0	0	0	1.4	0	5.1	0	0	10.0	5.7	6.6
W18-252L/ 175 ft	---(b)	---(b)	---(b)	---(b)	---(b)	---(b)	---(b)	2.1	4.5	8.1	12.2	12.0	3.7	2.4
	(b) disconnected for use by Vista Engineering for cross-well seismic investigation													

Attachment 14, Figure 3

Figure 1: "O" Well Location Map.

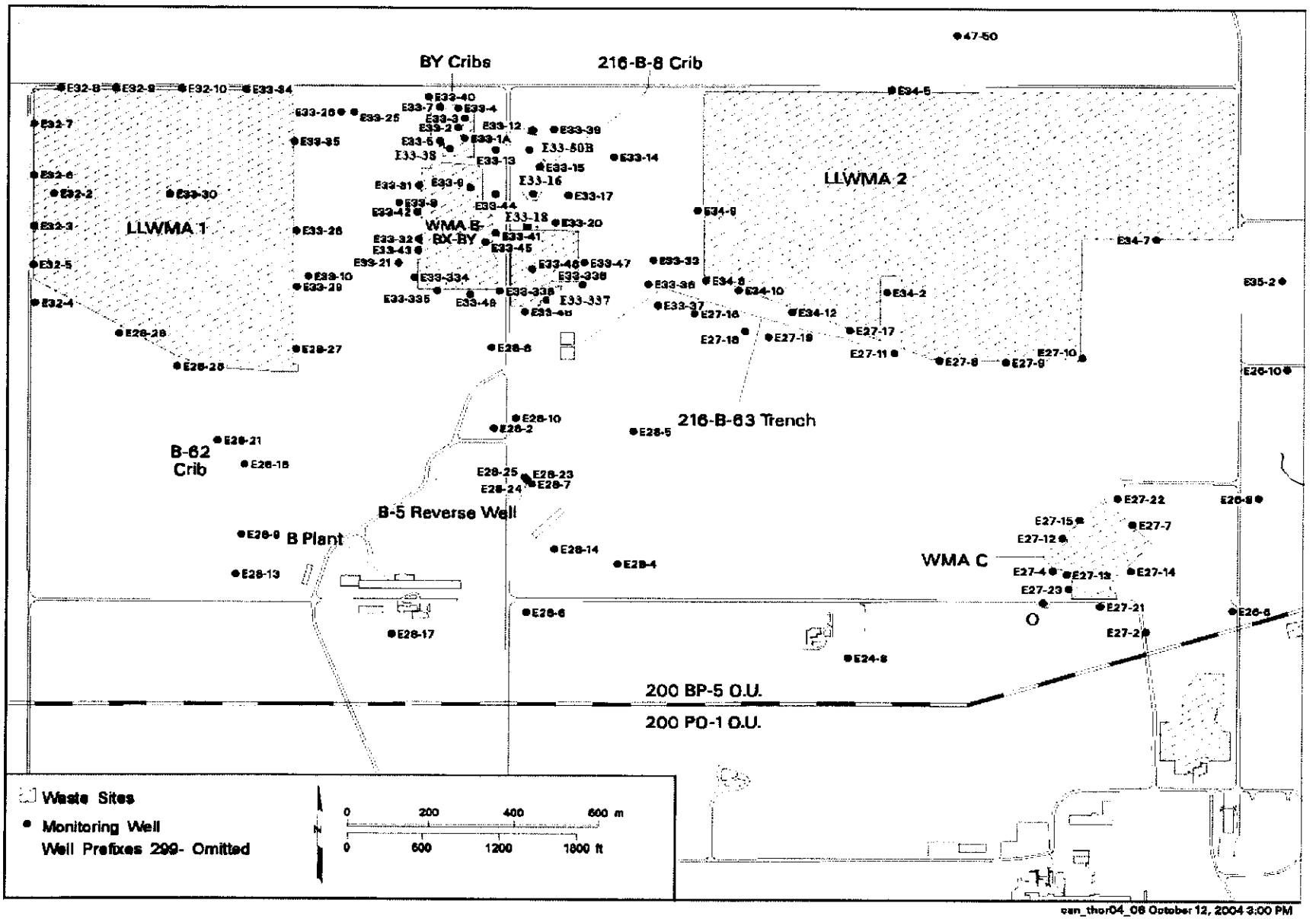
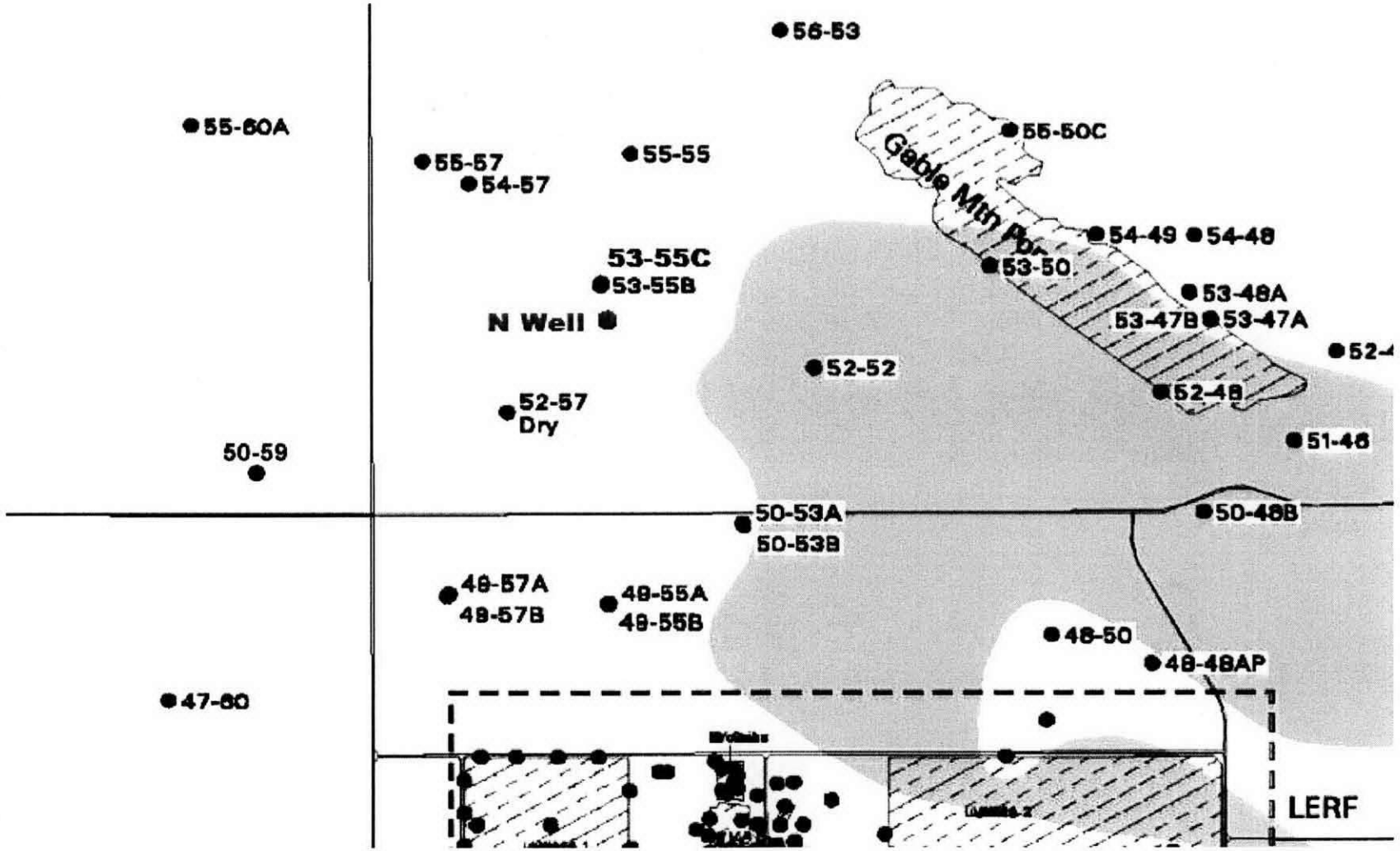


Figure 2: Proposed N Well Location Map.



Attachment 17, Figure 1

Tri-Party Agreement

Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, *Documentation and Records*

Change Number	**Document Submitted Under Tri-Party Agreement Milestone**	**Date:**
TPA-CN-170	N/A	08/16/07

Document Number and Title:	**Date Document Last Issued:**
DOE/RL-2003-30, Revision 2, *Waste Control Plan for the 200-BP-5 Operable Unit*	March 2004

Originator: Rick Oldham	**Phone:** 372-2426 or 521-8633

Description of Change: Update of Attachment 2 (Waste Container Storage Location) and Attachment 3A (200-BP-5 Operable Unit Groundwater Well Supplemental List).

B. Charboneau (**RL**) and R. Lobos (**Lead Regulatory Agency**) agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

Attachment 2 of the above referenced plan has been modified to add 2 new waste container storage locations for the two investigation wells (C5861 and C5852) planned for construction/installation in about late August.

Attachment 3A (200-BP-5 Operable Unit Groundwater Well Supplemental List) of the above referenced plan has been modified to add 5 wells. Two wells are planned for construction/installation beginning about late August. Three wells are existing wells being added for sampling purposes.

Note: The affected page numbers for the supplemental well list are pages 10 and 11. Two new pages are added to Attachment 2 to show the proposed well locations and the corresponding waste container storage areas.

Justification and Impacts of Change:

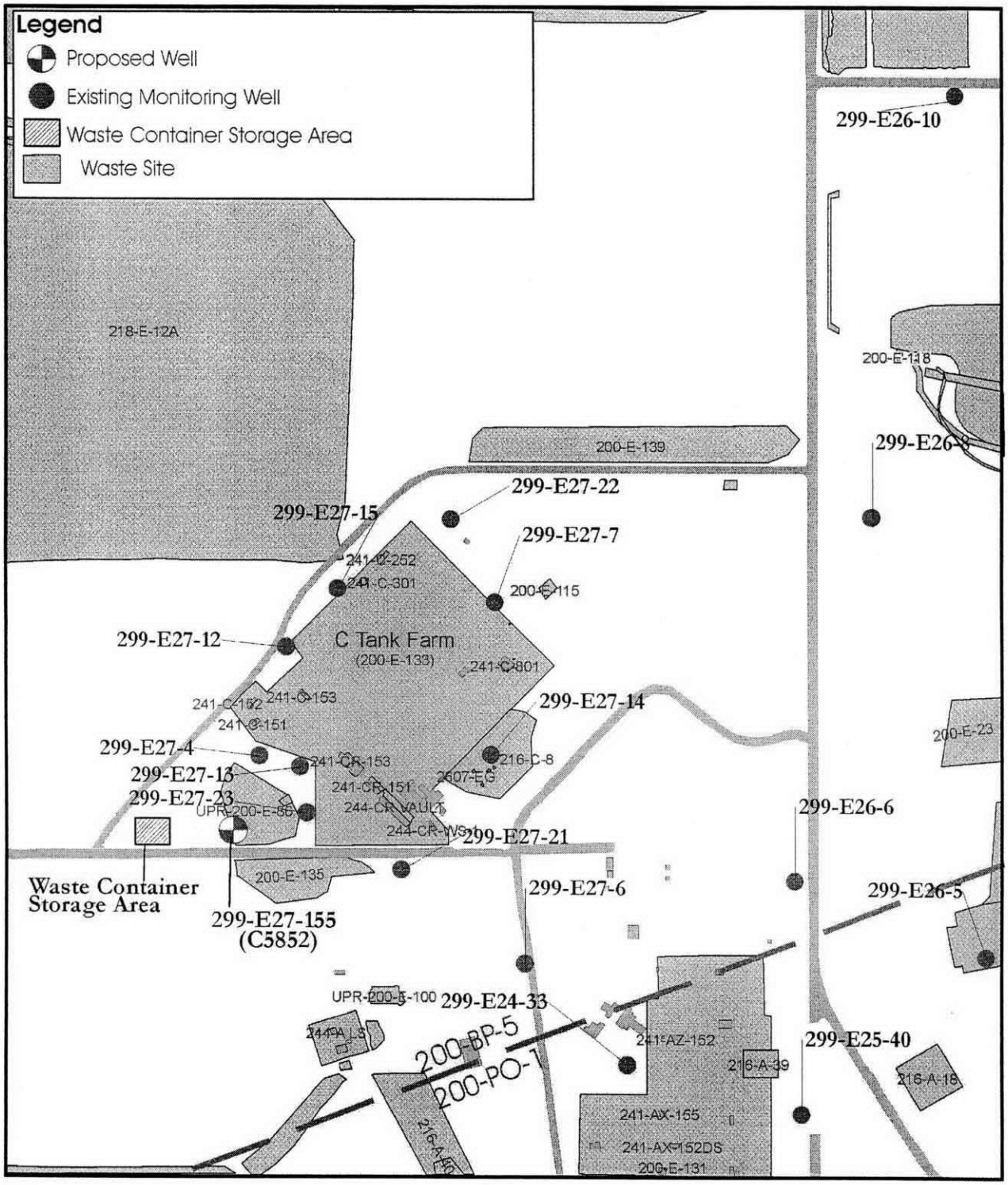
Revision 3 of the above referenced plan is in process but its review and approval will not be completed before construction of the above wells are scheduled to begin. The well list updates and waste container storage area additions made by this change will be reflected in Revision 3 of the waste control plan.

Approvals:

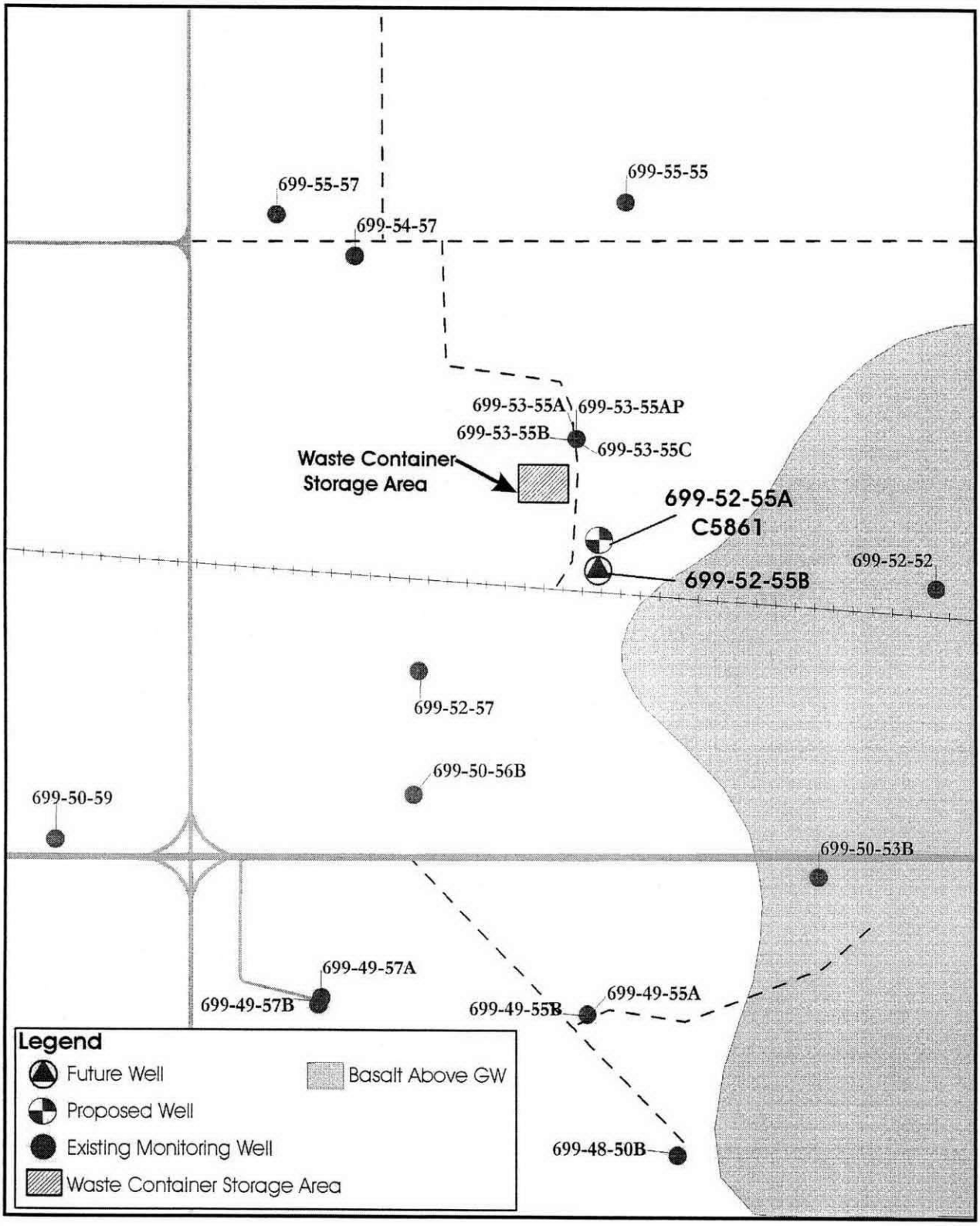
RL Project Manager	8/21/07 Date	X Approved	__ Disapproved	
EPA Project Manager (BP-5 OU Lead)	8/22/07 Date	X Approved	__ Disapproved	
	_____ Date	__ Approved	__ Disapproved	

Attachment 2
New well 299-E27-155

Attachment 17, Figure 2



Attachment 2
New well 699-52-55A



ATTACHMENT 3A
200-BP-5 OPERABLE UNIT GROUNDWATER WELL SUPPLEMENTAL LIST

(from Appendix B – SAP or Unit Manager's Meeting Minutes)

Well Numbers	Sampling Project
299-E18-1	Surveillance Central
299-E24-8	Surveillance Central
299-E26-10	LERF, Surveillance Central
299-E26-11	LERF, Surveillance Central
299-E26-8	Surveillance Basalt
299-E27-10	Surveillance Central, LLBG 2, LLBG 2-PA
299-E27-11	B-63, LLBG 2, LLBG 2-PA
299-E27-12	SST C
299-E27-13	SST C
299-E27-16	B-63
299-E27-17	B-63, LLBG 2, LLBG 2-PA, Surveillance Central
299-E27-18	B-63, Surveillance Central
299-E27-19	B-63
299-E27-8	B-63, LLBG 2, LLBG 2-PA
299-E27-9	B-63, LLBG 2, LLBG 2-PA
299-E28-10	Surveillance Central
299-E28-13	Surveillance Central
299-E28-28	LLBG 1, LLBG 1-PA, Surveillance Central
299-E28-7	Surveillance Central
299-E32-2	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-3	LLBG 1, LLBG 1-PA
299-E32-5	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-7	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-8	LLBG 1, LLBG 1-PA, Surveillance Central
299-E33-10	SST B
299-E33-17	SST B
299-E33-20	SST B
299-E33-21	SST B
299-E33-29	LLBG 1, LLBG 1-PA, SST B, Surveillance Central
299-E33-31	SST B
299-E33-32	SST B, Surveillance Central
299-E33-33	B-63, Surveillance Central
299-E33-334	SST B, Surveillance Central
299-E33-335	SST B, Surveillance Central
299-E33-337	SST B
299-E33-339	SST B
299-E33-36	B-63
299-E33-37	B-63, Surveillance Central
299-E33-9	SST B
299-E34-10	B-63, LLBG 2, LLBG 2-PA
299-E34-11	Surveillance Central
299-E34-12	LLBG 2, LLBG 2-PA
299-E34-2	LLBG 2, LLBG 2-PA, Surveillance Central
299-E34-3	LLBG 2, LLBG 2-PA
299-E34-5	LLBG 2, LLBG 2-PA, Surveillance Central
299-E34-7	LLBG 2, LLBG 2-PA, Surveillance Central

Attachment 17, Figure 5

Well Numbers	Sampling Project
299-E34-8	B-63
299-E34-9	LLBG 2, LLBG 2-PA, Surveillance Central
699-43-41E	Surveillance Central
699-44-39B	Surveillance Central, B Pond
699-50-53B	Surveillance Basalt
699-52-19	Surveillance Central
699-52-46A	Surveillance Basalt
699-54-34	Surveillance Basalt
699-56-43	Surveillance Basalt
699-56-53	Surveillance Basalt
699-62-43F	Surveillance 100 FR3
699-63-58	Surveillance 100 BC5
C4124/299-E27-22	New calendar year 2003 well NE of SST C
C4125/299-E27-4	New calendar year 2003 well W/SW of SST C
C4127/299-E27-21	New calendar year 2003 well S of SST C
C4190/299-E27-23	New calendar year 2003 well SW of SST C
C4259/299-E33-47	Proposed new well E of SST B
C4260/299-E33-48	Proposed new well S of SST B
C4261/299-E33-49	Proposed new well S of SST BX
C5861/699-52-55A	Proposed new well Sub-Area 3
C5852/299-E27-155	Proposed new well Sub-Area 6
699-49-55B	216-BY Cribs
699-55-55	216-BY Cribs
299-E33-40	216-BY-Cribs

Attachment 18, Figure 1

Tri-Party Agreement

Change Notice for Modifying Approved Documents/ Workplans
In Accordance with the Tri-Party Agreement Action Plan,
Section 9.0, *Documentation and Records*

Change Number	**Document Submitted Under Tri-Party Agreement Milestone**	**Date:**
TPA-CN-175	N/A	08/16/07

Document Number and Title:	**Date Document Last Issued:**
WMP-24648, Revision 0, Waste Control Plan for the 200-CW-5, 200-CW-2, 200-CW-4 and 200-SC-1 Operable Units	June 2005
Originator: Rick Oldham	**Phone:** 372-2426 or 521-8633

Description of Change: Add Table 4 (200-SC-1 Borehole and Direct Push Well List). Add Figures 3 and 4 showing borehole, direct push and waste container storage area locations.

B. Charboneau and C. Cameron agree that the proposed change modifies an approved
RL **Lead Regulatory Agency**

workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

Table 4 provides a listing of the well identification numbers for the planned borehole at the 216-A-30 crib and the direct pushes at the 216-B-55 crib.

Figure 3 provides the location of the proposed borehole at the 216-A-30 crib.

Figure 4 provides the locations of the direct push wells at the 216-B-55 crib.

Justification and Impacts of Change:

The well list update and waste container storage area additions made by this change will be reflected in the next revision (Revision 1) of the waste control plan.

Approvals:

RL Project Manager	8/22/07 Date	X Approved	__ Disapproved	
Craig E. Cameron EPA Project Manager (SC-1 OU Lead)	8/23/07 Date	X Approved	__ Disapproved	
	____ Date	__ Approved	__ Disapproved	

Attachment 18, Figure 2

Table 4. 200-SC-1 Borehole and Direct Push Well List.

Area	Operable Unit	Waste Site Code	Site Type	Hanford Well ID
200 West	200-SC-1	216-A-30	Crib	C5941*
200 West	200-SC-1	216-B-55	Crib	C5928**
200 West	200-SC-1	216-B-55	Crib	C5929**
200 West	200-SC-1	216-B-55	Crib	C5930**
200 West	200-SC-1	216-B-55	Crib	C5931**
200 West	200-SC-1	216-B-55	Crib	C5932**
200 West	200-SC-1	216-B-55	Crib	C5942**

* Borehole

** Direct Push

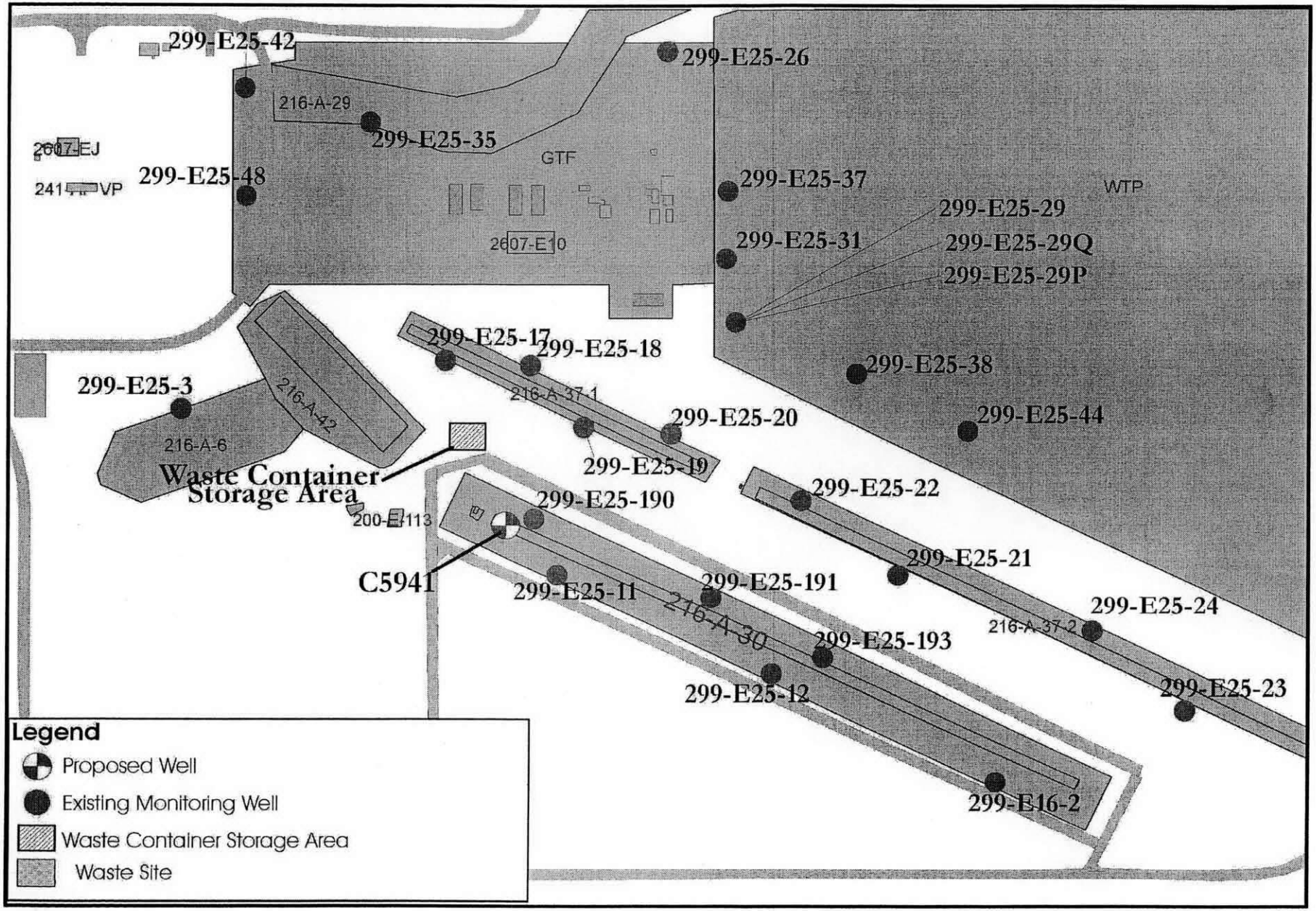


Figure 3 Attachment 18, Figure 3

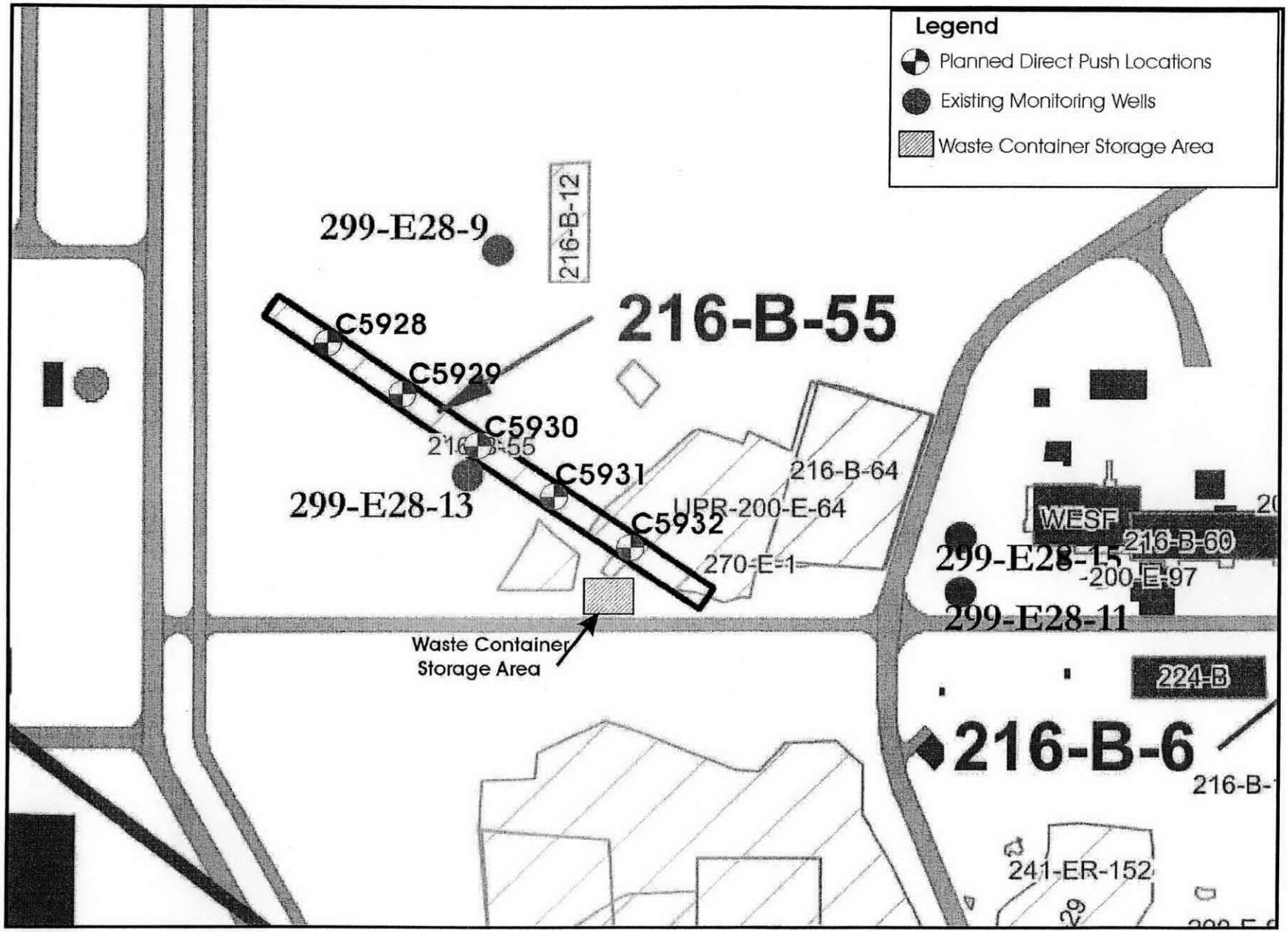


Figure 4

Attachment 18, Figure 4

Attachment 19, Figure 1

Tri-Party Agreement

Change Notice for Modifying Approved Documents/ Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*

Change Number	Document Submitted Under Tri-Party Agreement Milestone	Date:
TPA-CN-176	N/A	08/16/07

Document Number and Title:	Date Document Last Issued:
SGW-34277, Revision 0, Waste Control Plan for the BC Cribs and Trenches Area in the 200-BC-1 Operable Unit	July 2007

Originator: Rick Oldham	Phone: 372-2426 or 521-8633

Description of Change: Add Table 2 (200-BC-1 Borehole Well List) and Table 3 (200-BC-1 Direct Push Well List)

B. Charboneau (**RL**) and R. Lobos (**Lead Regulatory Agency**) agree that the proposed change modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

Table 2 provides a listing of the well identification numbers for the planned boreholes identified on Figure 1 of the Waste Control Plan for the BC Cribs and Trenches Area in the 200-BC-1 Operable Unit.

Table 3 provides a listing of the well identification numbers for the planned direct pushes in the cribs and trenches identified on Figure 1 of the Waste Control Plan for the BC Cribs and Trenches Area in the 200-BC-1 Operable Unit.

Justification and Impacts of Change:

The well list updates made by this change will be reflected in the next revision (Revision 1) of the waste control plan.

Approvals:

RL Project Manager	8/22/07 Date	X Approved	__ Disapproved	
EPA Project Manager (BC-1 OU Lead)	8/29/07 Date	X Approved	__ Disapproved	
	____ Date	__ Approved	__ Disapproved	

Table 2. 200-BC-1 Borehole Well List*.

Area	Operable Unit	Waste Site Code	Site Type	Hanford Well ID
200 West	200-BC-1	216-B-16/17	Crib	C5923
200 West	200-BC-1	216-B-23	Trench	C5924
200 West	200-BC-1	N/A	N/A	C5925
200 West	200-BC-1	216-B-30/31	Trench	C5926
200 West	200-BC-1	N/A	N/A	C5927

* See Figure 1 for borehole locations.

Attachment 19, Figure 3

Table 3. 200-BC-1 Direct Push List*.				
Area	**Operable Unit**	**Waste Site Code**	**Site Type**	**Hanford Well ID**
200 West	200-BC-1	216-B-26	Trench	C5863
200 West	200-BC-1	216-B-26	Trench	C5864
200 West	200-BC-1	216-B-26	Trench	C5865
200 West	200-BC-1	216-B-26	Trench	C5866
200 West	200-BC-1	216-B-26	Trench	C5867
200 West	200-BC-1	216-B-26	Trench	C5868
200 West	200-BC-1	216-B-26	Trench	C5869
200 West	200-BC-1	216-B-26	Trench	C5870
200 West	200-BC-1	216-B-26	Trench	C5871
200 West	200-BC-1	216-B-26	Trench	C5872
200 West	200-BC-1	216-B-26	Trench	C5873
200 West	200-BC-1	216-B-26	Trench	C5874
200 West	200-BC-1	216-B-26	Trench	C5875
200 West	200-BC-1	216-B-26	Trench	C5876
200 West	200-BC-1	216-B-26	Trench	C5877
200 West	200-BC-1	216-B-26	Trench	C5878
200 West	200-BC-1	216-B-26	Trench	C5879
200 West	200-BC-1	216-B-26	Trench	C5880
200 West	200-BC-1	216-B-26	Trench	C5881
200 West	200-BC-1	216-B-26	Trench	C5882
200 West	200-BC-1	216-B-26	Trench	C5883
200 West	200-BC-1	216-B-26	Trench	C5884
200 West	200-BC-1	216-B-26	Trench	C5885
200 West	200-BC-1	216-B-26	Trench	C5886
200 West	200-BC-1	216-B-26	Trench	C5887
200 West	200-BC-1	216-B-26	Trench	C5888
200 West	200-BC-1	216-B-26	Trench	C5889
200 West	200-BC-1	216-B-26	Trench	C5890
200 West	200-BC-1	216-B-26	Trench	C5891
200 West	200-BC-1	216-B-26	Trench	C5892
200 West	200-BC-1	216-B-26	Trench	C5893
200 West	200-BC-1	216-B-26	Trench	C5894
200 West	200-BC-1	216-B-26	Trench	C5895
200 West	200-BC-1	216-B-26	Trench	C5896
200 West	200-BC-1	216-B-26	Trench	C5897
200 West	200-BC-1	216-B-26	Trench	C5898
200 West	200-BC-1	216-B-26	Trench	C5899

Attachment 19, Figure 4

Table 3. 200-BC-1 Direct Push List*.				
Area	Operable Unit	Waste Site Code	Site Type	Hanford Well ID
200 West	200-BC-1	216-B-26	Trench	C5900
200 West	200-BC-1	216-B-26	Trench	C5901
200 West	200-BC-1	216-B-26	Trench	C5902
200 West	200-BC-1	216-B-26	Trench	C5903
200 West	200-BC-1	216-B-26	Trench	C5904
200 West	200-BC-1	216-B-26	Trench	C5905
200 West	200-BC-1	216-B-26	Trench	C5906
200 West	200-BC-1	216-B-26	Trench	C5907
200 West	200-BC-1	216-B-26	Trench	C5908
200 West	200-BC-1	216-B-26	Trench	C5909
200 West	200-BC-1	216-B-26	Trench	C5910
200 West	200-BC-1	216-B-26	Trench	C5911
200 West	200-BC-1	216-B-26	Trench	C5912
200 West	200-BC-1	216-B-26	Trench	C5913
200 West	200-BC-1	216-B-26	Trench	C5914
200 West	200-BC-1	216-B-26	Trench	C5915
200 West	200-BC-1	216-B-26	Trench	C5916
200 West	200-BC-1	216-B-26	Trench	C5917
200 West	200-BC-1	216-B-26	Trench	C5918
200 West	200-BC-1	216-B-26	Trench	C5919
200 West	200-BC-1	216-B-26	Trench	C5920
200 West	200-BC-1	216-B-26	Trench	C5921
200 West	200-BC-1	216-B-26	Trench	C5922

* See Figure 1 for 216-B-26 trench location.

Attachment 20, Figure 1

Tri-Party Agreement

Change Notice for Modifying Approved Documents/ Workplans In Accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*

Change Number	Document Submitted Under Tri-Party Agreement Milestone	Date:
TPA-CN-184	N/A	09/17/07

Document Number and Title:
DOE/RL-2003-30, Revision 2, *Waste Control Plan for the 200-BP-5 Operable Unit*

Date Document Last Issued:
March 2004

Originator: Rick Oldham

Phone: 372-2426 or 521-8633

Description of Change: Update of Attachment 3A (200-BP-5 Operable Unit Groundwater Well Supplemental List).

B. Charboneau and R. Lobos agree that the proposed change modifies an approved
RL **Lead Regulatory Agency**

workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement.*

Attachment 3A (200-BP-5 Operable Unit Groundwater Well Supplemental List) of the above referenced plan has been modified to add two wells (299-E33-5 and 299-E33-14). The wells are planned for sampling beginning in October.

Note: The affected page numbers for the supplemental well list are pages 10 and 11.

Justification and Impacts of Change:

Revision 3 of the above referenced plan is in process but its review and approval will not be completed before sampling of the above wells is scheduled to begin. The well list update made by this change will be reflected in Revision 3 of the waste control plan.

Approvals:

RL Project Manager	9/12/07 Date	X Approved	__ Disapproved	
EPA Project Manager (BP-5 OU Lead)	9/17/07 Date	X Approved	__ Disapproved	
	____ Date	__ Approved	__ Disapproved	

ATTACHMENT 3A
200-BP-5 OPERABLE UNIT GROUNDWATER WELL SUPPLEMENTAL LIST

(from Appendix B – SAP or Unit Manager's Meeting Minutes)

Well Numbers	Sampling Project
299-E18-1	Surveillance Central
299-E24-8	Surveillance Central
299-E26-10	LERF, Surveillance Central
299-E26-11	LERF, Surveillance Central
299-E26-8	Surveillance Basalt
299-E27-10	Surveillance Central, LLBG 2, LLBG 2-PA
299-E27-11	B-63, LLBG 2, LLBG 2-PA
299-E27-12	SST C
299-E27-13	SST C
299-E27-16	B-63
299-E27-17	B-63, LLBG 2, LLBG 2-PA, Surveillance Central
299-E27-18	B-63, Surveillance Central
299-E27-19	B-63
299-E27-8	B-63, LLBG 2, LLBG 2-PA
299-E27-9	B-63, LLBG 2, LLBG 2-PA
299-E28-10	Surveillance Central
299-E28-13	Surveillance Central
299-E28-28	LLBG 1, LLBG 1-PA, Surveillance Central
299-E28-7	Surveillance Central
299-E32-2	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-3	LLBG 1, LLBG 1-PA
299-E32-5	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-7	LLBG 1, LLBG 1-PA, Surveillance Central
299-E32-8	LLBG 1, LLBG 1-PA, Surveillance Central
299-E33-10	SST B
299-E33-17	SST B
299-E33-20	SST B
299-E33-21	SST B
299-E33-29	LLBG 1, LLBG 1-PA, SST B, Surveillance Central
299-E33-31	SST B
299-E33-32	SST B, Surveillance Central
299-E33-33	B-63, Surveillance Central
299-E33-334	SST B, Surveillance Central
299-E33-335	SST B, Surveillance Central
299-E33-337	SST B
299-E33-339	SST B
299-E33-36	B-63
299-E33-37	B-63, Surveillance Central
299-E33-9	SST B
299-E34-10	B-63, LLBG 2, LLBG 2-PA
299-E34-11	Surveillance Central
299-E34-12	LLBG 2, LLBG 2-PA
299-E34-2	LLBG 2, LLBG 2-PA, Surveillance Central
299-E34-3	LLBG 2, LLBG 2-PA
299-E34-5	LLBG 2, LLBG 2-PA, Surveillance Central
299-E34-7	LLBG 2, LLBG 2-PA, Surveillance Central

Attachment 20, Figure 3

Well Numbers	Sampling Project
299-E34-8	B-63
299-E34-9	LLBG 2, LLBG 2-PA, Surveillance Central
699-43-41E	Surveillance Central
699-44-39B	Surveillance Central, B Pond
699-50-53B	Surveillance Basalt
699-52-19	Surveillance Central
699-52-46A	Surveillance Basalt
699-54-34	Surveillance Basalt
699-56-43	Surveillance Basalt
699-56-53	Surveillance Basalt
699-62-43F	Surveillance 100 FR3
699-63-58	Surveillance 100 BC5
C4124/299-E27-22	New calendar year 2003 well NE of SST C
C4125/299-E27-4	New calendar year 2003 well W/SW of SST C
C4127/299-E27-21	New calendar year 2003 well S of SST C
C4190/299-E27-23	New calendar year 2003 well SW of SST C
C4259/299-E33-47	Proposed new well E of SST B
C4260/299-E33-48	Proposed new well S of SST B
C4261/299-E33-49	Proposed new well S of SST BX
C5861/699-52-55A	Proposed new well Sub-Area 3
C5852/299-E27-155	Proposed new well Sub-Area 6
699-49-55B	216-BY Cribs
699-55-55	216-BY Cribs
299-E33-40	216-BY Cribs
299-E33-5	216-BY-Cribs
299-E33-14	216-BY-Cribs